

Appendix table 3-1.
SESTAT degree field and occupational category

Field	Occupation
S&E	
Computer and mathematical sciences	Computer and mathematical scientists
Computer and information sciences	Computer and information scientists
Computer and information sciences	Computer engineers—software
Computer sciences	Computer scientists, except systems analysts
Computer systems analysis	Computer systems analysts
Information services and systems	Information systems scientists and analysts
Other	Other computer and information science occupations
Mathematical sciences	Mathematical scientists
Applied mathematics	Mathematicians
General	Operations research analysts, modeling
Operations research	Statisticians
Statistics	Other mathematical scientists
Other	Postsecondary teachers
	Computer sciences
	Mathematics
Life and related sciences	Life scientists
Agricultural and food sciences	Agricultural and food scientists
Animal sciences	Biological scientists
Food sciences and technology	Biochemists and biophysicists
Plant sciences	Biological scientists
Other agricultural sciences	Medical scientists, except practitioners
Biological sciences	Other biological and life scientists
Biochemistry and biophysics	Environmental life scientists
Biology	Forestry and conservation scientists
Botany	Postsecondary teachers
Cell and molecular biology	Agriculture
Ecology	Biological sciences
Genetics, plant and animal	Medical sciences
Microbiology	Other natural sciences
Nutritional science	
Pharmacology, human and animal	
Physiology, human and animal	
Zoology	
Other	
Health and related sciences (included under life sciences for doctoral programs only)	
Audiology and speech pathology	
Health services administration	
Health and medical assistants	
Health and medical technologies	
Medical preparatory programs	
Medicine	
Nursing, four years or longer	
Pharmacy	
Physical therapy and other rehabilitation	
Public health, including environment	
Other	
Environmental life sciences	
Environmental science studies	
Forestry services	

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-1.
SESTAT degree field and occupational category

Field	Occupation
Physical and related sciences	Physical scientists
Chemistry, except biochemistry	Chemists, except biochemists
Earth science, geology, and oceanography	Earth scientists, geologists, and oceanographers
Atmospheric sciences and meteorology	Atmospheric and space scientists
Earth sciences	Geologists
Geology	Oceanographers
Other geological sciences	Physicists and astronomers
Oceanography	Astronomers
Physics and astronomy	Physicists
Physics	Other physical and related scientists
Astronomy and astrophysics	Postsecondary teachers
Other physical and related sciences	Chemistry
	Physics
	Earth, environmental, and marine science
Social and related sciences	Social scientists
Economics	Economists
Agricultural economics	Political and related scientists
Economics	Psychologists
Political and related sciences	Sociologists and anthropologists
Public policy studies	Anthropologists
International relations	Sociologists
Political science and government	Other social and related scientists
Psychology	Historians, science and technology
Educational	Other social scientists
Clinical	Postsecondary teachers
Counseling	Economics
Experimental	Political science
General	Psychology
Industrial and organizational	Sociology
Social	Other social sciences
Other	
Sociology and anthropology	
Anthropology and archaeology	
Criminology	
Sociology	
Area and ethnic studies	
Linguistics	
Philosophy of science	
Geography	
History of science	
Other social sciences	

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-1.
SESTAT degree field and occupational category

Field	Occupation
Engineering	Engineers
Aerospace and related engineering	Aerospace and related engineers
Aerospace, aeronautical, and astronautical	Architectural and civil engineers
Architectural and civil engineering	Civil engineers
Architectural	Chemical engineers
Civil	Electrical and related engineers
Chemical engineering	Computer engineers—hardware
Electrical and related engineering	Electrical and electronics engineers
Computer and systems	Industrial engineers
Electrical, electronics, and communications	Mechanical engineers
Industrial engineering	Other engineers
Mechanical engineering	Agricultural engineers
Other engineering	Bioengineers and biomedical engineers
Agricultural	Environmental engineers
Bioengineering and biomedical	Marine engineers or naval architects
Engineering sciences, mechanics and physics	Materials and metallurgical engineers
Environmental	Mining and geological engineers
General	Nuclear engineers
Geophysical	Petroleum engineers
Materials, including ceramics and textiles	Sales engineers
Metallurgical	Other
Mining and minerals	Postsecondary teachers
Naval architecture and marine	Engineering
Nuclear	
Petroleum	
Other	

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-1.
SESTAT degree field and occupational category

Field	Occupation
Non-S&E	
Management and administration	Managers and administrators
Agricultural business and production	Top and mid-level managers, executives, and administrators
Accounting	Accountants, auditors, and other financial specialists
Business administration and management	Personnel, training, and labor relations specialists
Business, general	Other management related occupations
Business and managerial economics	
Financial management	
Other business management/administrative services	
Health and related (included in non-S&E for bachelor's and master's programs only)	Health-related occupations
Audiology and speech pathology	Diagnosing and treating health practitioners
Health services administration	Registered nurses, pharmacists, dieticians, therapists, etc.
Health and medical assistance	Health technologists and technicians
Health and medical technologies	Other
Medical preparatory programs	
Medicine nursing, four years or longer	
Pharmacy	
Physical therapy and other rehabilitation	
Public health, including environment	
Other health and medical sciences	
Teaching and education	Teachers, except S&E postsecondary teachers
Education administration	Prekindergarten and kindergarten
Computer teacher education	Elementary school
Counselor education and guidance	Secondary: computer, math, or sciences
Elementary teacher education	Secondary: social sciences
Mathematics teacher education	Secondary: other subjects
Physical education and coaching	Special education
Pre-elementary teacher education	Other precollegiate education
Science teacher education	Postsecondary teachers
Secondary teacher education	Art, drama, and music
Special education	Business, commerce, and marketing
Social science teacher education	Education
Other education	English
	Foreign language
	History
	Home economics
	Law
	Physical education
	Social work
	Theology
	Trade and industrial
	Other health specialties
	Other
Social service and related disciplines	Social services and related occupations
Social work	Clergy and other religious workers
Other philosophy, religion, theology	Counselors, educational and vocational
	Social workers

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-1.
SESTAT degree field and occupational category

Field	Occupation
Technology and technical disciplines Computer programming Data processing technology Electrical and electronics technologies Industrial production technologies Mechanical engineering-related technologies Other engineering-related technologies	Technologists and technicians Computer programmers Electrical, electronics, industrial, and mechanical engineering technicians Drafting occupations Surveying and mapping engineering technicians Other engineering technologists and technicians Surveyors Technologists and technicians in biological and life sciences Technologists and technicians in mathematical sciences Technologists and technicians in physical sciences
Sales and marketing Business marketing/marketing management Marketing research	Sales and marketing Insurance, securities, real estate, and business services Commodities, except retail Retail Other
Arts, humanities, and related disciplines English language, literature, and letters Other foreign languages and literature Liberal arts and general studies History Dramatic arts Fine arts Music Other visual and performing arts	Art, humanities, and related occupations Artists, editors, entertainers, public relations, and writers Historians, except science and technology
Other non-S&E Architecture and environmental design Other conservation, renewable natural resources Actuarial science Communications Journalism Other communications Criminal justice and protective services Home economics Law, prelaw, legal studies Library science Parks, recreation, leisure, and fitness studies Public administration Other public affairs Other	Other Accounting clerks and bookkeepers Secretaries, receptionists, and typists Other administrative Architects Farmers, foresters, and fishermen Lawyers and judges Librarians, archivists, and curators Actuaries Food preparation and service workers Protective service workers Other service occupations, except health Construction trades, miners, and well drillers Mechanics and repairers Precision production Operators and related occupations Transportation and material-moving Other

SESTAT = Scientists and Engineers Statistical Data System

NOTES: The individual occupations included in SESTAT adhere to the Standard Occupational Classification (SOC), a U.S. Government standard classification scheme. The SOC was developed through an interagency committee headed by the Office of Management and Budget. It is used by Federal agencies that collect employment and occupational data and was meant to provide comparability of data among different Federal statistics agencies. The major and minor S&E groupings of occupations as shown in this table were developed by the National Science Foundation.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS).

Appendix table 3-2.
U.S. scientists and engineers, by S&E degree and labor force status: 1999

S&E degree status	Total	Labor force				
		Employed			Unemployed	Not in labor force
		Total	S&E	Non-S&E		
Scientists and engineers, total	13,033,900	10,981,600	3,540,800	7,440,800	193,200	1,859,100
Educated in S&E	12,473,000	10,479,800	3,258,900	7,221,000	184,100	1,809,100
Highest degree S&E	9,597,900	7,980,100	3,003,200	4,976,900	150,100	1,467,700
Highest degree non-S&E	2,875,100	2,499,700	255,700	2,244,100	34,000	341,400
No S&E degree ^a	560,900	501,800	282,000	219,800	9,100	49,900

^aPeople without S&E degrees or jobs in 1999 represent individuals who had S&E jobs in 1993 but later moved to non-S&E jobs, became unemployed, or had moved out of the labor force.

NOTES: Scientists and engineers include all those who have ever received a bachelor's degree or higher in S&E plus those holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during 1993, 1995, 1997, or 1999 Scientists and Engineers Statistical Data System (SESTAT) surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Science & Engineering Indicators – 2002

Appendix table 3-3.
U.S. scientists and engineers, by S&E degree and labor force status: 1997

S&E degree status	Total	Labor force				Unemployed	Not in labor force
		Total	Employed	S&E	Non-S&E		
Scientists and engineers, total	12,512,000	10,585,600	3,369,400	7,216,200	191,900	1,734,600	
Educated in S&E	11,943,400	10,057,600	3,077,500	6,980,100	185,400	1,700,400	
Highest degree S&E	9,254,700	7,706,800	2,840,800	4,866,000	148,700	1,399,200	
Highest degree non-S&E	2,688,800	2,350,800	236,600	2,114,100	36,700	301,300	
No S&E degree ^a	568,600	528,000	292,000	236,100	6,400	34,100	

^aPeople without S&E degrees or jobs in 1997 represent individuals who had S&E jobs in 1993 but later moved to non-S&E jobs, became unemployed, or had moved out of the labor force.

NOTES: Scientists and engineers include all those who have ever received a bachelor's degree or higher in S&E plus those holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during either the 1993, 1995, or 1997 Scientists and Engineers Statistical Data System (SESTAT) surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1997.

Science & Engineering Indicators – 2002

Appendix table 3-4.
U.S. scientists and engineers, by S&E degree and labor force status: 1995

S&E degree status	Total	Labor force				
		Employed		Non-S&E	Unemployed	Not in labor force
		Total	S&E			
Scientists and engineers, total	11,987,100	10,114,500	3,185,600	6,928,900	245,900	1,626,700
Educated in S&E	11,407,600	9,570,000	2,851,400	6,718,600	234,200	1,603,300
Highest degree S&E	8,876,100	7,347,200	2,636,300	4,710,900	195,000	1,334,000
Highest degree non-S&E	2,531,400	2,222,800	215,200	2,007,600	39,300	269,400
No S&E degree ^a	579,500	544,500	334,100	210,400	11,600	23,400

^aPeople without S&E degrees or jobs in 1995 represent individuals who had S&E jobs in 1993 but later moved to non-S&E jobs, became unemployed, or had moved out of the labor force.

NOTES: Scientists and engineers include all those who have ever received a bachelor's degree or higher in S&E plus those holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during either the 1993 or 1995 Scientists and Engineers Statistical Data System (SESTAT) surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1995.

Science & Engineering Indicators – 2002

Appendix table 3-5.
U.S. scientists and engineers, by S&E degree status and labor force status: 1993

S&E degree status	Total	Labor force				
		Employed			Unemployed	Not in labor force
		Total	S&E	Non-S&E		
Scientists and engineers, total	11,578,200	9,793,500	3,303,400	6,490,100	318,200	1,466,500
Educated in S&E	10,984,600	9,199,900	2,709,800	6,490,100	318,200	1,466,500
Highest degree S&E	8,536,900	7,035,800	2,517,800	4,518,000	269,000	1,232,100
Highest degree non-S&E	2,447,700	2,164,100	192,000	1,972,100	49,200	234,400
No S&E degree	593,600	593,600	593,600	NA	NA	NA

NA = not applicable

NOTES: Scientists and engineers include all those who have ever received a bachelor's degree or higher in S&E plus those holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during the 1993 Scientists and Engineers Statistical Data System (SESTAT) surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993.

Science & Engineering Indicators – 2002

Appendix table 3-6.

Occupational distribution of employed U.S. scientists and engineers, by level and field of highest degree: 1999
 (Percentages)

Field of highest degree	Number	Total	Computer and math scientists	Life and related scientists	Physical and related scientists	Social and related scientists	Engineers	Non-S&E occupations
					Percent			
All degree levels^a								
All degree fields	10,981,600	100.0	10.6	3.1	2.7	3.3	12.5	67.8
S&E degree fields	7,980,100	100.0	11.5	3.7	3.6	3.7	15.1	62.4
Sciences	6,043,700	100.0	11.8	4.9	4.5	4.9	2.2	71.9
 Computer and math sciences	1,045,800	100.0	47.5	0.1	0.4	0.2	3.1	48.6
Computer and information sciences	586,500	100.0	60.1	0.1	0.1	0.0	2.5	37.1
Mathematical sciences	459,300	100.0	31.4	0.2	0.8	0.5	3.8	63.3
 Life and related sciences	1,287,700	100.0	2.8	20.1	3.2	0.3	1.6	71.9
Agricultural and food sciences	230,400	100.0	2.6	18.0	1.4	0.3	0.9	76.9
Biological sciences	955,300	100.0	2.7	21.3	3.2	0.3	1.2	71.4
Environmental life sciences	102,100	100.0	4.1	13.7	7.9	1.2	7.0	66.0
 Physical and related sciences	621,700	100.0	7.5	3.4	34.4	0.4	9.5	44.8
Chemistry, except biochemistry	276,200	100.0	4.0	5.6	39.2	0.2	5.5	45.5
Earth science, geology, and oceanography	152,800	100.0	4.9	1.4	42.0	0.3	7.2	44.1
Physics and astronomy	144,000	100.0	18.5	1.4	26.6	0.2	19.1	34.1
Other	23,500	100.0	3.2	3.3	10.5	S	5.2	75.7
Social and related sciences	3,088,400	100.0	4.3	0.4	0.3	9.2	0.6	85.2
Economics	406,500	100.0	6.8	0.6	0.5	8.0	0.7	83.3
Political and related sciences	567,000	100.0	4.8	0.3	0.2	4.4	0.7	89.6
Psychology	1,166,100	100.0	3.8	0.5	0.1	15.4	0.6	79.6
Sociology and anthropology	592,700	100.0	2.1	0.3	0.1	6.0	0.2	91.3
Other	356,100	100.0	6.1	0.3	1.3	3.4	0.5	88.3
Engineering	1,936,400	100.0	10.6	0.3	0.8	0.1	55.4	32.7
Aerospace and related engineering	76,300	100.0	9.2	S	0.6	S	45.1	44.7
Chemical engineering	147,700	100.0	4.8	0.8	2.2	S	60.5	31.4
Civil and architectural engineering	330,200	100.0	2.6	S	0.5	0.1	63.1	33.6
Electrical and related engineering	587,000	100.0	22.0	0.1	0.3	0.1	51.1	26.3
Industrial engineering	106,200	100.0	11.4	S	S	S	37.5	51.0
Mechanical engineering	386,000	100.0	5.2	0.0	0.3	S	63.2	31.1
Other	302,500	100.0	7.1	0.9	2.6	0.2	52.0	37.2
Non-S&E degree fields	3,001,500	100.0	8.3	1.4	0.4	2.2	5.6	82.1
Business and management	728,700	100.0	17.5	0.7	0.6	1.0	10.9	69.3
Education	618,100	100.0	0.8	3.5	0.4	0.7	0.5	94.1
Health	452,900	100.0	6.8	1.0	0.4	3.5	1.3	87.0
Other	1,201,800	100.0	7.0	1.0	0.3	3.3	6.6	81.8

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-6.

Occupational distribution of employed U.S. scientists and engineers, by level and field of highest degree: 1999
(Percentages)

Field of highest degree	Number	Total	Computer and math scientists	Life and related scientists	Physical and related scientists	Social and related scientists	Engineers	Non-S&E occupations
					Percent			
Bachelor's								
All degree fields	6,350,100	100.0	11.7	2.1	2.2	1.1	14.3	68.6
S&E degree fields	5,866,100	100.0	10.4	2.1	2.3	1.2	14.2	69.8
Sciences	4,486,100	100.0	10.8	2.7	2.9	1.5	2.0	80.1
Computer and math sciences	742,700	100.0	43.2	S	0.4	0.2	2.7	53.5
Computer and information sciences	413,500	100.0	58.5	S	S	S	2.1	39.3
Mathematical sciences	329,200	100.0	23.9	S	0.8	0.4	3.4	71.4
Life and related sciences	947,000	100.0	2.9	10.9	2.9	0.2	1.7	81.4
Agricultural and food sciences	182,300	100.0	2.6	10.5	0.8	S	0.9	85.0
Biological sciences	686,000	100.0	2.8	11.0	3.2	0.1	1.4	81.4
Environmental life sciences	78,700	100.0	4.4	10.2	5.4	S	6.1	72.8
Physical and related sciences	380,900	100.0	7.3	2.4	24.3	0.3	10.5	55.3
Chemistry, except biochemistry	175,100	100.0	4.6	4.1	30.2	S	6.2	54.5
Earth science, geology, and oceanography	101,800	100.0	4.6	0.9	30.8	S	8.4	55.2
Physics and astronomy	66,900	100.0	21.4	1.3	10.4	S	24.0	42.8
Other	16,600	100.0	S	S	4.9	S	4.5	88.0
Social and related sciences	2,415,500	100.0	4.5	0.3	0.3	2.6	0.6	91.8
Economics	340,300	100.0	6.7	S	S	2.5	0.9	88.9
Political and related sciences	482,900	100.0	4.9	0.3	S	1.2	0.7	92.7
Psychology	794,500	100.0	4.2	0.4	S	4.1	0.7	90.5
Sociology and anthropology	525,200	100.0	2.1	S	S	2.1	S	95.2
Other	272,600	100.0	5.9	S	0.8	1.4	S	91.1
Engineering	1,380,000	100.0	9.3	0.2	0.6	0.1	53.8	36.0
Aerospace and related engineering	53,600	100.0	9.1	S	S	S	41.7	48.3
Chemical engineering	112,000	100.0	4.7	0.6	2.3	S	58.5	33.5
Civil and architectural engineering	247,000	100.0	2.1	S	0.2	S	62.1	35.5
Electrical and related engineering	407,400	100.0	20.7	S	0.2	S	50.0	28.8
Industrial engineering	79,500	100.0	8.8	S	S	S	33.9	57.2
Mechanical engineering	304,200	100.0	4.2	S	S	S	62.5	33.0
Other	175,800	100.0	5.0	0.6	1.6	S	46.0	46.7
Non-S&E degree fields	484,000	100.0	26.6	2.6	0.5	0.7	15.3	54.3
Business and management	153,200	100.0	37.4	2.8	S	S	8.2	50.9
Education	59,100	100.0	4.5	4.9	S	S	S	86.7
Health	45,200	100.0	26.0	S	S	S	7.7	63.2
Other	226,500	100.0	25.2	2.1	S	1.1	24.8	46.4

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-6.

Occupational distribution of employed U.S. scientists and engineers, by level and field of highest degree: 1999
 (Percentages)

Field of highest degree	Number	Total	Computer and math scientists	Life and related scientists	Physical and related scientists	Social and related scientists	Engineers	Non-S&E occupations
					Percent			
Master's								
All degree fields	2,982,000	100.0	11.9	2.4	2.4	5.2	12.6	65.4
S&E degree fields	1,491,200	100.0	16.7	3.8	4.3	7.4	19.3	48.6
Sciences	1,040,400	100.0	17.5	5.4	5.6	10.4	2.6	58.5
Computer and math sciences	262,600	100.0	55.4	S	0.4	0.4	4.2	39.5
Computer and information sciences	160,900	100.0	63.5	S	S	S	3.5	32.7
Mathematical sciences	101,700	100.0	42.6	S	0.8	0.8	5.3	50.4
Life and related sciences	164,100	100.0	2.4	30.7	5.2	0.4	2.0	59.4
Agricultural and food sciences	30,100	100.0	2.4	33.1	3.5	S	S	59.8
Biological sciences	116,200	100.0	2.3	31.7	3.7	0.3	1.0	60.9
Environmental life sciences	17,900	100.0	3.3	20.2	17.4	S	9.3	48.8
Physical and related sciences	113,900	100.0	9.4	3.7	40.6	0.7	9.4	36.2
Chemistry, except biochemistry	37,400	100.0	3.1	6.6	47.6	S	3.7	38.9
Earth science, geology, and oceanography	34,200	100.0	6.5	2.4	57.8	S	6.3	26.3
Physics and astronomy	32,500	100.0	20.5	S	23.8	S	19.8	35.6
Other	5,100	100.0	S	S	16.9	S	S	56.1
Social and related sciences	499,800	100.0	4.3	0.3	0.5	21.3	0.4	73.2
Economics	43,700	100.0	9.4	S	S	18.0	S	70.7
Political and related sciences	67,400	100.0	4.7	S	S	13.3	S	80.7
Psychology	276,100	100.0	3.2	0.3	S	27.7	0.4	68.3
Sociology and anthropology	44,400	100.0	2.4	S	S	21.2	S	75.9
Other	68,100	100.0	6.3	S	2.4	5.1	S	85.3
Engineering	450,800	100.0	14.8	0.2	1.2	0.2	57.7	25.9
Aerospace and related engineering	17,800	100.0	9.6	S	S	S	47.9	41.9
Chemical engineering	22,000	100.0	5.4	0.6	1.4	S	66.1	26.6
Civil and architectural engineering	73,300	100.0	4.3	S	1.1	0.5	64.1	29.9
Electrical and related engineering	151,300	100.0	26.3	S	0.3	S	52.4	20.8
Industrial engineering	23,500	100.0	19.5	S	S	S	48.0	32.2
Mechanical engineering	68,300	100.0	9.5	S	S	S	64.0	26.0
Other	94,600	100.0	10.3	0.8	3.7	S	59.1	26.0
Non-S&E degree fields	1,490,800	100.0	7.1	1.0	0.6	3.1	6.0	82.2
Business and management	558,600	100.0	12.5	S	0.8	0.8	11.9	73.9
Education	113,600	100.0	2.0	5.9	1.5	2.7	1.2	86.7
Health	355,000	100.0	4.0	0.8	S	3.2	0.7	91.2
Other	463,600	100.0	4.2	1.1	0.5	5.9	4.1	84.1

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-6.

Occupational distribution of employed U.S. scientists and engineers, by level and field of highest degree: 1999
 (Percentages)

Field of highest degree	Number	Computer and math scientists		Life and related scientists		Physical and related scientists		Social and related scientists		Non-S&E occupations
		Total	Percent	Total	Percent	Total	Percent	Engineers		
Doctorate										
All degree fields	736,700	100.0	9.1	16.4	11.5	17.2	11.4	34.3		
S&E degree fields	614,600	100.0	9.6	19.2	13.7	18.8	13.4	25.2		
Sciences	509,000	100.0	9.4	22.9	16.0	22.6	2.3	26.7		
Computer and math sciences	40,600	100.0	76.4	0.9	0.8	0.4	3.5	17.9		
Computer and information sciences	12,100	100.0	72.4	S	S	S	4.7	22.1		
Mathematical sciences	28,500	100.0	78.1	1.2	1.1	0.5	2.9	16.2		
Life and related sciences	176,200	100.0	2.3	60.0	3.0	1.0	0.7	33.0		
Agricultural and food sciences	18,100	100.0	2.1	68.8	3.9	1.8	0.7	22.6		
Biological sciences	153,100	100.0	2.3	59.4	2.5	0.8	0.5	34.4		
Environmental life sciences	5,000	100.0	3.0	46.6	14.3	3.3	7.1	25.7		
Physical and related sciences	125,900	100.0	6.4	6.1	59.2	0.3	6.9	21.0		
Chemistry, except biochemistry	63,600	100.0	2.9	9.3	58.7	S	4.6	24.3		
Earth science, geology, and oceanography	16,500	100.0	4.1	2.3	77.5	S	2.4	13.6		
Physics and astronomy	43,800	100.0	12.6	2.4	53.9	0.5	11.4	19.1		
Other	1,800	100.0	S	20.0	45.0	S	13.9	17.2		
Social and related sciences	166,400	100.0	2.8	1.7	0.6	67.9	0.4	26.5		
Economics	22,500	100.0	2.8	1.6	S	71.1	S	24.1		
Political and related sciences	16,700	100.0	2.3	S	S	61.5	S	35.4		
Psychology	88,800	100.0	2.1	2.2	S	75.6	0.4	19.7		
Sociology and anthropology	23,100	100.0	2.4	0.9	0.5	63.6	S	32.3		
Other	15,300	100.0	8.5	2.1	4.6	32.1	S	51.6		
Engineering	105,600	100.0	10.7	1.5	3.0	0.2	66.4	18.2		
Aerospace and related engineering	4,900	100.0	9.4	S	S	S	72.7	14.9		
Chemical engineering	13,600	100.0	4.8	2.6	2.4	S	68.5	21.7		
Civil and architectural engineering	9,900	100.0	3.9	S	1.8	S	80.4	13.8		
Electrical and related engineering	28,300	100.0	18.1	0.2	2.1	S	60.4	18.9		
Industrial engineering	3,300	100.0	16.1	S	S	S	47.8	34.4		
Mechanical engineering	13,500	100.0	7.5	0.7	1.5	S	75.2	15.1		
Other	32,100	100.0	9.7	3.2	5.3	0.4	63.8	17.6		
Non-S&E degree fields	122,100	100.0	6.4	2.3	S	9.4	1.7	79.8		
Business and management	12,600	100.0	S	S	S	15.3	S	80.5		
Education	S	S	S	S	S	S	S	S		
Health	45,700	100.0	10.4	2.9	S	10.4	S	75.2		
Other	63,800	100.0	4.4	2.3	S	7.5	2.9	82.9		

S = suppressed for reasons of confidentiality and/or data reliability

^a Includes professional degrees.

NOTES: Scientists and engineers include all those who have ever received a bachelor's degree or higher in S&E plus those holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during either the 1993, 1995, 1997, or 1999 SESTAT surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Science and Engineers Statistical Data System (SESTAT), 1999.

Appendix table 3-7.

Occupational distribution of employed U.S. scientists and engineers, by level and field of highest degree: 1993
 (Percentages)

Field of highest degree	Number	Total	Computer and math scientists	Life and related scientists	Physical and related scientists	Social and related scientists	Engineers	Non-S&E occupations
					Percent			
All degree levels^a								
All degree fields	9,793,500	100.0	10.1	3.3	2.9	3.2	14.2	66.3
S&E degree fields	7,035,800	100.0	8.9	3.6	3.7	3.4	16.2	64.2
Sciences	5,202,100	100.0	9.6	4.8	4.7	4.6	2.6	73.7
Computer and math sciences	918,000	100.0	40.6	0.1	0.5	0.2	3.6	55.0
Computer and information sciences	477,400	100.0	51.7	0.0	0.1	0.2	2.9	45.1
Mathematical sciences	440,600	100.0	28.6	0.2	0.9	0.2	4.3	65.8
Life and related sciences	1,073,100	100.0	2.0	20.3	2.9	0.3	2.3	72.1
Agricultural and food sciences	204,300	100.0	1.2	18.6	1.5	0.3	1.8	76.7
Biological sciences	785,100	100.0	2.1	21.3	2.7	0.3	2.1	71.5
Environmental life sciences	83,700	100.0	3.5	15.0	7.9	0.7	6.0	66.9
Physical and related sciences	599,800	100.0	5.5	3.1	33.5	0.2	9.2	48.5
Chemistry, except biochemistry	262,800	100.0	3.1	5.1	37.2	0.1	6.4	48.1
Earth science, geology, and oceanography	144,100	100.0	3.6	1.8	40.4	S	5.8	48.4
Physics and astronomy	142,100	100.0	11.9	1.1	29.4	0.3	17.3	40.0
Other	26,700	100.0	4.8	3.5	10.7	S	5.9	74.9
Social and related sciences	2,611,200	100.0	2.8	0.4	0.3	8.9	0.8	86.8
Economics	395,000	100.0	4.0	0.8	0.6	7.4	0.9	86.3
Political and related sciences	481,400	100.0	2.5	S	0.1	4.7	1.1	91.5
Psychology	960,700	100.0	2.8	0.5	0.1	14.7	0.6	81.3
Sociology and anthropology	485,900	100.0	1.5	0.3	0.1	5.9	0.5	91.7
Other	288,200	100.0	3.4	0.8	1.4	3.3	1.4	89.7
Engineering	1,833,700	100.0	6.7	0.2	0.9	0.1	55.0	37.2
Aerospace and related engineering	78,900	100.0	5.0	S	0.3	S	45.7	49.1
Chemical engineering	135,000	100.0	2.9	0.3	3.1	S	58.7	34.9
Civil and architectural engineering	310,300	100.0	1.1	S	0.4	S	58.4	40.0
Electrical and related engineering	544,300	100.0	15.2	0.0	0.3	0.1	55.0	29.5
Industrial engineering	103,300	100.0	9.2	S	S	0.1	35.9	54.7
Mechanical engineering	371,500	100.0	2.6	0.1	0.2	S	64.0	33.0
Other	289,900	100.0	3.4	0.6	3.2	0.1	47.3	45.5
Non-S&E degree fields	2,757,700	100.0	13.4	2.5	0.7	2.9	9.0	71.5
Business and management	657,400	100.0	25.5	1.1	0.6	1.4	15.2	56.1
Education	583,400	100.0	0.9	6.1	0.7	0.8	0.6	90.9
Health	418,600	100.0	12.1	1.8	1.0	5.2	4.1	75.7
Other	1,098,400	100.0	13.2	1.7	0.6	4.0	11.6	68.8

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-7.

Occupational distribution of employed U.S. scientists and engineers, by level and field of highest degree: 1993
 (Percentages)

Field of highest degree	Number	Total	Computer and math scientists	Life and related scientists	Physical and related scientists	Social and related scientists	Engineers	Non-S&E occupations
					Percent			
Bachelor's								
All degree fields	5,727,200	100.0	11.8	2.3	2.3	1.2	17.0	65.4
S&E degree fields	5,172,600	100.0	8.1	2.0	2.4	1.0	15.9	70.5
Sciences	3,814,400	100.0	8.9	2.7	3.0	1.3	2.5	81.5
Computer and math sciences	663,800	100.0	37.1	S	0.5	0.1	3.0	59.2
Computer and information sciences	346,200	100.0	50.6	S	S	S	2.3	46.9
Mathematical sciences	317,700	100.0	22.4	S	0.9	0.2	3.7	72.7
Life and related sciences	773,600	100.0	2.2	11.6	2.6	0.2	2.6	80.9
Agricultural and food sciences	162,200	100.0	1.1	12.8	0.9	S	1.9	83.1
Biological sciences	546,400	100.0	2.4	11.0	2.7	0.2	2.5	81.2
Environmental life sciences	65,000	100.0	3.1	13.4	5.3	0.4	5.2	72.6
Physical and related sciences	372,500	100.0	5.7	2.3	23.1	0.1	10.1	58.7
Chemistry, except biochemistry	168,800	100.0	3.5	3.8	28.9	S	6.7	56.9
Earth science, geology, and oceanography	94,700	100.0	3.6	1.2	28.8	S	6.3	60.1
Physics and astronomy	70,700	100.0	14.5	1.0	12.2	0.2	22.1	50.0
Other	18,800	100.0	2.6	0.5	6.8	S	7.0	83.0
Social and related sciences	2,004,400	100.0	2.8	0.3	0.3	2.4	0.9	93.3
Economics	332,800	100.0	4.1	0.5	0.6	1.7	1.0	92.2
Political and related sciences	407,400	100.0	2.7	S	S	1.7	1.1	94.4
Psychology	619,600	100.0	3.0	0.4	0.1	4.1	0.7	91.7
Sociology and anthropology	424,400	100.0	1.4	0.1	0.1	2.0	0.5	95.8
Other	220,300	100.0	3.2	0.5	1.1	1.1	1.4	92.7
Engineering	1,358,300	100.0	5.9	0.1	0.6	0.1	53.5	39.8
Aerospace and related engineering	57,600	100.0	4.9	S	0.1	S	43.6	51.4
Chemical engineering	97,700	100.0	2.8	0.2	2.8	S	57.1	36.9
Civil and architectural engineering	236,700	100.0	0.8	S	0.1	S	56.7	42.3
Electrical and related engineering	395,600	100.0	14.3	S	0.2	S	54.1	31.4
Industrial engineering	82,300	100.0	6.8	S	S	S	34.8	58.3
Mechanical engineering	301,000	100.0	2.2	S	S	S	63.4	34.2
Other	187,000	100.0	2.3	0.4	2.2	S	42.2	52.9
Non-S&E degree fields	554,500	100.0	46.0	4.6	1.4	2.9	27.2	17.8
Business and management	178,800	100.0	63.2	3.0	0.8	1.4	20.1	11.4
Education	55,200	100.0	6.1	10.8	3.2	2.4	5.4	72.2
Health	60,100	100.0	43.1	3.8	2.4	1.6	19.5	29.5
Other	260,400	100.0	43.3	4.6	1.2	4.4	38.4	8.0

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-7.

Occupational distribution of employed U.S. scientists and engineers, by level and field of highest degree: 1993
 (Percentages)

Field of highest degree	Number	Total	Computer and math scientists	Life and related scientists	Physical and related scientists	Social and related scientists	Engineers	Non-S&E occupations
					Percent			
Master's								
All degree fields	2,575,600	100.0	10.2	2.7	2.8	5.2	13.6	65.4
S&E degree fields	1,328,400	100.0	12.2	3.8	4.8	6.8	19.4	53.1
Sciences	937,700	100.0	13.3	5.3	6.1	9.6	3.1	62.6
Computer and math sciences	221,400	100.0	46.0	0.2	0.4	0.4	5.4	47.5
Computer and information sciences	124,400	100.0	53.4	S	S	S	4.5	41.2
Mathematical sciences	97,000	100.0	36.5	0.4	0.8	S	6.6	55.5
Life and related sciences	151,000	100.0	2.1	28.9	4.8	0.4	2.1	61.6
Agricultural and food sciences	26,100	100.0	2.3	29.7	3.6	S	1.3	62.8
Biological sciences	110,200	100.0	1.7	30.7	3.2	0.4	1.3	62.8
Environmental life sciences	14,800	100.0	5.2	14.1	19.1	1.1	10.0	50.5
Physical and related sciences	111,300	100.0	6.9	3.0	42.5	0.3	9.2	38.1
Chemistry, except biochemistry	34,000	100.0	3.4	5.5	44.9	S	7.8	38.2
Earth science, geology, and oceanography	34,000	100.0	4.7	2.5	58.6	S	5.3	28.8
Physics and astronomy	32,400	100.0	12.1	0.2	34.2	S	15.2	37.7
Other	6,500	100.0	12.2	7.2	16.1	S	2.2	62.3
Social and related sciences	453,900	100.0	2.7	0.5	0.4	19.3	0.8	76.3
Economics	41,800	100.0	4.7	2.2	1.4	25.1	1.0	65.6
Political and related sciences	58,300	100.0	2.0	S	S	12.0	1.5	84.2
Psychology	259,700	100.0	2.7	0.2	S	22.7	0.4	73.9
Sociology and anthropology	39,900	100.0	1.7	0.8	S	20.2	0.3	76.8
Other	54,200	100.0	2.9	S	2.0	5.9	1.7	87.1
Engineering	390,700	100.0	9.3	0.2	1.6	S	58.6	30.3
Aerospace and related engineering	17,900	100.0	5.5	S	0.7	S	48.3	45.4
Chemical engineering	24,800	100.0	3.3	0.4	3.2	S	64.0	29.0
Civil and architectural engineering	65,100	100.0	1.5	S	1.3	S	62.8	34.1
Electrical and related engineering	127,300	100.0	18.2	S	0.3	S	57.8	23.7
Industrial engineering	18,700	100.0	18.4	S	S	S	39.8	41.7
Mechanical engineering	59,900	100.0	4.5	S	0.6	S	65.9	28.9
Other	76,900	100.0	5.4	0.4	4.8	S	56.1	33.3
Non-S&E degree fields	1,247,100	100.0	8.2	1.6	0.7	3.6	7.4	78.5
Business and management	462,100	100.0	11.5	0.4	0.6	1.1	13.9	72.5
Education	76,100	100.0	2.1	11.0	2.0	3.6	0.6	80.6
Health	311,100	100.0	6.5	1.3	0.7	4.6	1.5	85.4
Other	397,800	100.0	6.8	1.5	0.6	5.7	5.7	79.7

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-7.

Occupational distribution of employed U.S. scientists and engineers, by level and field of highest degree: 1993
 (Percentages)

Field of highest degree	Number	Total	Computer and math scientists	Life and related scientists	Physical and related scientists	Social and related scientists	Engineers	Non-S&E occupations
					Percent			
Doctorate								
All degree fields	634,800	100.0	7.7	15.4	12.1	16.8	10.2	37.7
S&E degree fields	529,200	100.0	7.6	18.2	14.3	17.6	11.7	30.7
Sciences	444,500	100.0	7.7	21.4	16.3	20.9	2.3	31.3
Computer and math sciences	32,800	100.0	75.2	0.3	0.8	0.5	3.4	19.8
Computer and information sciences	6,800	100.0	74.6	S	S	0.8	3.0	21.0
Mathematical sciences	26,000	100.0	75.3	0.3	1.0	0.4	3.4	19.5
Life and related sciences	148,500	100.0	1.3	57.1	2.8	0.6	0.9	37.4
Agricultural and food sciences	16,100	100.0	0.9	58.9	4.0	S	0.8	35.1
Biological sciences	128,500	100.0	1.3	57.2	2.5	0.5	0.8	37.7
Environmental life sciences	3,900	100.0	2.9	44.4	7.7	4.4	4.5	36.1
Physical and related sciences	115,900	100.0	3.5	6.0	58.1	0.1	6.4	25.8
Chemistry, except biochemistry	60,000	100.0	1.7	8.7	56.3	S	4.4	28.9
Earth science, geology, and oceanography	15,400	100.0	1.5	3.8	71.8	S	3.5	19.4
Physics and astronomy	39,000	100.0	7.2	2.0	56.4	0.3	10.3	23.8
Other	1,400	100.0	S	27.4	39.8	S	9.2	23.6
Social and related sciences	147,300	100.0	2.4	2.4	0.5	62.2	0.4	32.0
Economics	20,400	100.0	1.3	1.5	S	63.8	S	33.2
Political and related sciences	15,600	100.0	1.2	S	S	55.9	0.6	41.8
Psychology	75,900	100.0	1.7	2.7	S	70.6	0.4	24.5
Sociology and anthropology	21,700	100.0	3.0	1.6	S	57.5	S	37.3
Other	13,700	100.0	8.5	5.8	3.7	28.7	S	52.5
Engineering	84,700	100.0	7.0	0.9	3.5	0.1	60.7	27.8
Aerospace and related engineering	3,400	100.0	3.9	S	S	S	66.3	29.2
Chemical engineering	12,500	100.0	2.9	0.9	4.6	S	60.5	30.9
Civil and architectural engineering	8,500	100.0	5.6	S	2.4	S	71.2	20.7
Electrical and related engineering	21,400	100.0	12.6	0.3	2.2	S	55.2	29.6
Industrial engineering	2,300	100.0	19.6	S	S	S	44.5	32.9
Mechanical engineering	10,700	100.0	2.5	S	2.6	S	71.3	23.1
Other	26,000	100.0	5.8	2.0	5.6	S	58.3	28.3
Non-S&E degree fields	105,600	100.0	8.1	1.9	1.4	13.0	3.0	72.6
Business and management	11,900	100.0	9.5	S	S	13.1	S	75.9
Education	S	S	S	S	S	S	S	S
Health	41,300	100.0	10.3	2.6	1.8	15.5	1.7	68.2
Other	52,400	100.0	6.1	1.4	1.5	11.0	4.7	75.3

S = suppressed for reasons of confidentiality and/or data reliability

^a Includes professional degrees

NOTES: Scientists and engineers include all people who have ever received a bachelor's degree or higher in an S&E field plus people holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during the 1993 SESTAT surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Science and Engineers Statistical Data System (SESTAT), 1993.

Appendix table 3-8.

Employed individuals with S&E highest degrees whose jobs are closely related to field of highest degree by degree level and years since degree: 1999
 (Percentages)

Field of highest degree	Employed S&Es, total	Years since degree						
		1–5	6–10	11–15	16–20	21–25	26–30	31–35
All degree levels^a								
All S&E	45.7	49.1	50.3	51.3	47.3	39.2	37.0	42.5
Engineering	54.6	58.7	55.8	55.5	56.9	52.4	50.4	52.6
Aerospace engineering	45.3	53.7	42.7	45.4	52.8	37.3	41.1	50.7
Chemical engineering	45.2	47.1	48.2	47.1	41.4	43.5	40.2	53.3
Civil engineering	65.8	68.0	70.0	71.1	68.2	58.3	65.3	62.9
Electrical engineering	59.7	63.7	57.9	60.4	67.2	59.0	48.4	56.4
Industrial engineering	37.7	47.2	29.3	40.2	39.5	32.9	45.2	S
Mechanical engineering	50.2	53.3	55.2	46.0	50.2	56.1	48.0	49.8
Other engineering	50.7	58.6	55.1	55.4	49.3	43.2	48.2	45.8
Life sciences	48.3	50.8	58.3	56.3	45.8	40.5	41.5	45.0
Agriculture	48.0	57.9	52.8	60.7	40.8	41.0	49.1	53.5
Biological sciences	48.6	50.0	60.6	55.2	47.3	41.2	39.6	43.8
Health and medical	45.7	48.7	43.7	53.8	48.6	32.0	44.3	24.4
Computer and math sciences	60.8	70.0	66.6	67.9	68.0	48.8	36.1	38.4
Computer sciences	74.6	76.7	73.3	74.6	77.0	73.8	59.6	66.6
Mathematical sciences	43.2	56.2	52.5	48.5	50.2	34.5	30.2	36.7
Physical sciences	47.4	57.3	57.6	47.3	45.0	41.1	37.2	48.8
Chemistry	51.4	66.1	62.7	54.8	50.7	44.6	36.6	51.2
Geosciences	44.8	51.3	56.7	40.0	41.1	41.0	38.6	61.1
Physics and astronomy	41.8	49.3	45.5	38.9	32.1	37.5	35.2	44.6
Other physical sciences	49.3	42.9	66.6	56.9	69.4	33.1	45.2	S
Social sciences	33.7	37.2	36.7	36.2	33.6	29.8	27.6	32.4
Economics	28.9	34.4	26.8	29.0	27.4	27.4	22.4	37.3
Political sciences	23.5	27.9	30.4	14.9	25.5	18.4	20.6	16.2
Psychology	41.1	44.6	43.4	51.7	40.9	35.3	29.8	39.2
Sociology and anthropology	30.3	33.0	36.2	23.7	26.5	30.3	27.5	32.0
Other social sciences	36.5	36.2	40.3	46.7	35.8	28.9	36.9	36.1

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-8.

Employed individuals with S&E highest degrees whose jobs are closely related to field of highest degree by degree level and years since degree: 1999
 (Percentages)

Field of highest degree	Employed S&Es, total	Years since degree							
		1–5	6–10	11–15	16–20	21–25	26–30	31–35	
Bachelor's									
All S&E	39.5	42.0	44.5	44.8	41.7	33.1	31.0	36.3	33.3
Engineering	52.2	54.9	52.5	53.3	55.5	51.4	48.8	48.9	45.1
Aerospace engineering	41.2	45.3	36.4	39.5	51.9	33.5	45.5	51.2	29.8
Chemical engineering	42.0	43.0	46.6	39.9	38.7	42.7	37.5	56.0	36.8
Civil engineering	65.4	67.2	70.1	72.0	66.7	59.7	65.2	58.8	57.3
Electrical engineering	57.0	59.0	52.5	57.4	66.4	57.7	47.4	51.9	58.1
Industrial engineering	34.4	39.6	22.5	37.6	40.6	26.3	43.3	S	30.0
Mechanical engineering	48.9	50.8	54.7	46.1	50.2	54.0	45.9	47.0	40.6
Other engineering	45.8	53.8	50.1	52.9	46.1	39.2	43.6	37.2	34.2
Life sciences	41.8	44.2	53.9	50.0	39.6	33.6	34.4	39.3	30.5
Agriculture	45.6	52.2	49.9	58.5	39.4	41.3	48.4	53.3	20.6
Biological sciences	41.0	42.8	55.8	46.2	40.0	32.4	31.0	36.7	32.5
Health and medical	40.2	45.2	41.0	54.9	37.3	27.3	34.1	S	S
Computer and math sciences	57.8	66.6	63.2	66.5	66.8	46.6	28.7	34.0	35.8
Computer sciences	73.7	74.2	70.9	74.7	77.3	76.5	55.4	S	S
Mathematical sciences	37.8	51.8	47.4	42.7	44.3	29.7	23.2	32.5	35.1
Physical sciences	41.6	54.1	55.7	40.1	38.6	34.8	29.4	41.8	31.8
Chemistry	47.3	64.1	64.1	51.6	45.3	37.3	30.2	46.8	29.7
Geosciences	37.0	45.2	46.8	30.8	33.7	36.7	32.6	S	32.0
Physics and astronomy	31.9	45.7	38.7	24.1	20.8	25.9	12.3	38.2	42.6
Other physical sciences	44.9	37.6	66.0	53.4	63.0	30.3	48.9	S	S
Social sciences	25.5	30.0	30.3	21.7	22.8	21.6	21.1	25.7	21.2
Economics	23.2	29.1	23.0	20.2	22.0	21.2	13.5	31.9	26.9
Political sciences	19.6	23.1	28.0	11.0	19.3	12.8	18.2	15.5	18.2
Psychology	27.0	34.2	32.1	28.1	23.1	20.6	16.0	19.9	14.7
Sociology and anthropology	27.6	29.2	33.8	16.0	23.8	29.3	26.1	29.8	24.0
Other social sciences	30.5	30.3	34.6	41.5	26.6	21.5	32.4	31.4	22.5

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-8.

Employed individuals with S&E highest degrees whose jobs are closely related to field of highest degree by degree level and years since degree: 1999
 (Percentages)

Field of highest degree	Employed S&Es, total	Years since degree							
		1–5	6–10	11–15	16–20	21–25	26–30	31–35	
Master's									
All S&E	60.1	67.6	64.1	65.5	59.5	52.0	48.6	54.1	48.2
Engineering	59.8	64.6	61.6	61.3	61.0	53.3	54.9	60.1	41.7
Aerospace engineering	52.7	57.8	51.5	71.9	54.0	S	S	S	S
Chemical engineering	53.9	59.0	48.3	76.7	54.3	44.0	37.3	S	60.8
Civil engineering	66.6	68.6	70.0	67.2	72.4	52.2	66.4	74.5	53.6
Electrical engineering	65.7	71.3	67.9	66.7	69.4	61.6	51.7	66.4	38.6
Industrial engineering	45.9	57.8	41.4	48.8	30.9	40.3	60.3	S	S
Mechanical engineering	53.8	59.4	55.4	43.0	49.6	63.2	57.4	58.9	34.0
Other engineering	55.4	59.8	58.2	59.2	52.7	46.3	56.6	50.7	S
Life sciences	60.6	71.6	63.9	66.4	55.7	54.9	52.6	49.1	60.8
Agriculture	49.2	73.0	49.6	69.7	37.1	S	S	S	S
Biological sciences	63.3	75.4	69.5	68.9	57.3	60.7	51.4	48.9	69.8
Health and medical	62.3	55.5	52.2	S	75.1	62.4	S	S	S
Computer and math sciences	67.9	77.4	75.4	71.6	71.0	52.3	50.6	45.0	62.1
Computer sciences	76.5	82.0	79.4	73.9	76.3	66.5	64.9	S	S
Mathematical sciences	54.3	64.8	65.5	63.5	60.5	42.4	44.1	42.6	61.1
Physical sciences	53.6	66.6	57.5	52.3	53.5	47.9	41.0	49.9	59.3
Chemistry	56.1	72.8	45.5	58.0	60.6	64.0	35.3	58.0	40.0
Geosciences	54.2	61.9	67.0	47.6	59.5	38.7	36.0	S	S
Physics and astronomy	47.1	64.3	51.0	42.7	24.0	38.8	51.7	32.8	70.7
Other physical sciences	63.0	59.3	66.7	67.9	92.3	S	S	S	S
Social sciences	57.7	64.3	60.3	68.4	55.8	50.8	43.3	56.3	40.1
Economics	48.0	53.0	40.3	79.9	41.0	35.7	44.8	57.6	S
Political sciences	39.9	50.8	41.9	35.4	43.3	39.3	S	S	S
Psychology	67.4	74.1	70.0	77.8	62.9	61.5	50.1	79.7	54.3
Sociology and anthropology	40.8	61.1	44.0	46.8	27.5	22.8	S	43.3	S
Other social sciences	53.3	53.8	69.0	54.5	57.3	47.4	48.1	51.0	S

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-8.

**Employed individuals with S&E highest degrees whose jobs are closely related to field of highest degree by degree level and years since degree: 1999
(Percentages)**

Field of highest degree	Employed S&Es, total	Years since degree							
		1–5	6–10	11–15	16–20	21–25	26–30	31–35	
Doctorate									
All S&E	69.2	73.4	71.8	70.3	68.5	66.1	62.7	67.1	69.8
Engineering	63.6	69.2	64.3	61.0	67.0	60.4	52.5	67.5	62.8
Aerospace engineering	62.1	75.5	73.3	48.9	74.2	70.2	49.0	43.4	S
Chemical engineering	57.2	65.5	57.6	43.7	62.2	47.6	61.9	59.8	66.1
Civil engineering	71.9	79.8	67.9	75.1	80.1	74.2	61.3	72.3	66.8
Electrical engineering	66.1	69.1	67.1	71.7	71.0	65.5	48.2	70.1	64.9
Industrial engineering	58.5	62.4	66.5	58.6	S	96.8	37.7	S	S
Mechanical engineering	61.1	62.2	62.2	61.3	52.1	66.5	53.7	78.0	47.5
Other engineering	63.3	70.9	62.9	59.3	66.5	53.9	50.3	75.6	68.8
Life sciences	71.5	75.4	73.8	71.4	68.0	70.1	67.8	70.9	71.5
Agriculture	69.7	76.1	72.2	66.7	67.5	66.8	73.6	66.9	50.9
Biological sciences	71.6	74.9	74.2	71.8	67.8	70.6	67.0	71.1	73.7
Health and medical	76.1	87.8	68.2	79.9	76.6	66.9	68.6	86.1	S
Computer and math sciences	70.0	73.9	69.7	76.5	70.0	65.5	56.5	69.5	87.9
Computer sciences	78.0	78.2	75.2	81.4	72.2	94.2	S	S	S
Mathematical sciences	66.6	69.9	64.7	73.4	69.0	62.2	55.8	69.5	87.9
Physical sciences	59.7	62.4	62.9	61.8	59.5	56.1	53.7	60.7	60.4
Chemistry	59.9	67.8	65.8	59.0	59.4	54.9	54.1	56.2	60.2
Geosciences	74.6	72.3	74.5	80.7	71.4	70.1	72.2	83.1	79.0
Physics and astronomy	53.7	51.9	51.9	58.6	55.8	49.9	48.7	61.6	55.0
Other physical sciences	63.7	59.0	73.0	55.6	54.0	100.0	S	S	S
Social sciences	77.3	81.8	82.0	79.0	74.9	71.6	74.1	71.9	80.4
Economics	77.8	80.3	85.8	77.1	72.3	78.8	78.1	67.3	76.7
Political sciences	69.7	70.6	76.6	72.8	83.8	59.0	63.6	59.6	69.7
Psychology	81.7	85.7	85.9	83.4	79.5	76.2	77.9	76.8	83.1
Sociology and anthropology	71.2	78.9	78.2	71.1	63.4	63.7	71.9	70.1	91.7
Other social sciences	68.3	78.4	63.1	71.3	65.5	62.5	66.5	77.7	56.8

^aIncludes professional degrees.

S = suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Appendix table 3-9.

Employed individuals with S&E highest degrees whose jobs are closely or somewhat related to field of highest degree by degree level and years since degree: 1999
 (Percentages)

Field of highest degree	Employed S&Es, total	Years since degree							
		1–5	6–10	11–15	16–20	21–25	26–30	31–35	
All degree levels									
All S&E	76.8	77.5	80.1	81.1	77.7	73.0	73.0	74.2	70.1
Engineering	89.6	91.9	91.0	91.1	89.6	89.2	88.6	88.1	80.2
Aerospace engineering	79.8	85.7	74.7	80.6	75.9	95.5	80.4	92.6	44.9
Chemical engineering	86.7	85.8	91.2	88.9	83.7	91.1	87.6	89.7	71.7
Civil engineering	92.0	92.0	93.0	93.8	89.6	88.9	94.0	94.4	92.8
Electrical engineering	92.9	95.5	92.4	93.8	95.8	93.0	89.5	89.6	83.2
Industrial engineering	83.9	89.9	86.7	88.6	80.6	77.5	85.6	71.9	69.9
Mechanical engineering	89.5	91.8	91.0	90.9	90.4	89.9	89.1	85.6	80.6
Other engineering	86.5	90.0	91.2	87.7	87.0	83.1	84.0	82.5	77.2
Life sciences	74.4	75.8	83.8	79.0	72.6	69.1	70.1	70.4	64.3
Agriculture	74.6	80.8	80.9	77.6	73.4	70.2	69.4	78.5	60.8
Biological sciences	74.4	74.5	84.9	79.2	73.3	69.1	70.6	69.4	63.4
Health and medical	73.3	79.6	77.3	80.8	64.6	66.4	66.8	46.3	99.1
Computer and math sciences	87.7	92.2	89.4	90.8	91.4	88.0	77.2	71.8	68.4
Computer sciences	93.3	94.8	93.4	92.9	92.9	94.6	87.6	87.2	S
Mathematical sciences	80.5	86.8	81.0	84.6	88.4	84.1	74.6	70.9	68.1
Physical sciences	77.8	83.0	84.4	77.4	75.1	75.7	72.7	83.7	67.2
Chemistry	79.8	87.2	90.2	80.8	79.6	75.5	71.7	85.1	61.7
Geosciences	72.1	79.0	76.0	69.2	71.1	71.2	66.8	82.7	59.9
Physics and astronomy	79.5	81.8	81.6	78.1	72.2	82.3	75.9	82.2	84.2
Other physical sciences	79.4	68.7	85.4	87.4	80.0	78.0	83.5	78.1	59.5
Social sciences	65.9	66.8	68.0	68.2	66.6	63.1	63.7	62.6	63.0
Economics	71.9	78.6	72.4	70.8	72.7	65.7	65.8	71.1	76.4
Political sciences	55.5	56.6	57.6	54.5	56.0	54.1	53.6	50.5	58.0
Psychology	72.0	72.6	75.0	76.0	73.2	69.3	68.3	63.7	62.6
Sociology and anthropology	61.5	61.9	64.3	62.2	60.9	60.2	59.6	65.4	57.9
Other social sciences	62.7	62.9	63.1	70.5	56.9	56.9	71.7	61.0	47.9

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-9.

Employed individuals with S&E highest degrees whose jobs are closely or somewhat related to field of highest degree by degree level and years since degree: 1999
 (Percentages)

Field of highest degree	Employed S&Es, total	Years since degree							
		1–5	6–10	11–15	16–20	21–25	26–30	31–35	
Bachelor's									
All S&E	72.4	72.3	76.0	76.8	73.8	68.1	68.8	69.6	67.8
Engineering	88.6	91.0	89.9	90.0	88.6	88.6	89.3	86.1	80.5
Aerospace engineering	76.8	77.8	68.9	77.0	75.8	95.7	90.5	88.7	39.8
Chemical engineering	84.5	83.6	89.9	86.0	82.1	90.9	84.0	88.7	70.3
Civil engineering	92.4	91.9	91.6	93.3	87.7	92.7	95.5	96.3	93.7
Electrical engineering	92.3	95.0	91.4	92.6	95.5	91.9	92.1	86.8	83.8
Industrial engineering	82.9	86.8	84.6	89.0	78.9	79.8	86.6	72.3	71.9
Mechanical engineering	89.1	91.9	90.5	90.6	91.4	88.1	88.7	83.7	81.2
Other engineering	82.8	88.5	92.3	84.9	84.0	74.7	79.3	74.8	77.8
Life sciences	69.0	70.5	80.8	73.4	66.8	63.5	64.1	64.1	58.2
Agriculture	72.3	76.7	79.5	73.8	71.7	69.8	66.8	79.2	60.4
Biological sciences	68.2	68.7	81.8	73.0	66.5	62.0	64.0	61.1	54.0
Health and medical	67.8	77.2	72.6	76.3	52.7	61.5	59.6	S	S
Computer and math sciences	86.1	90.2	87.4	90.0	91.3	84.4	75.0	70.8	66.0
Computer sciences	92.8	93.2	91.8	93.0	93.3	94.6	87.8	S	S
Mathematical sciences	77.6	84.5	78.4	81.0	87.1	78.7	72.4	69.7	65.7
Physical sciences	72.2	79.0	80.5	71.2	69.4	71.8	64.3	78.4	61.0
Chemistry	74.5	83.0	90.3	76.3	73.7	69.1	62.3	81.6	56.5
Geosciences	65.7	73.8	64.4	64.2	65.7	65.5	60.7	73.3	54.5
Physics and astronomy	74.7	80.7	76.6	64.6	66.2	93.8	62.5	74.5	79.6
Other physical sciences	74.5	61.1	77.6	85.2	73.6	75.1	84.7	S	58.6
Social sciences	60.2	61.7	63.7	58.8	59.5	57.3	58.5	58.1	60.3
Economics	68.9	76.2	71.1	66.5	69.5	61.4	61.9	64.4	74.8
Political sciences	52.1	51.0	55.9	51.2	53.4	50.0	49.0	50.0	57.3
Psychology	63.3	66.2	67.9	60.8	63.1	60.6	59.6	49.5	55.8
Sociology and anthropology	59.1	59.2	62.2	56.0	58.4	59.2	56.8	65.4	55.2
Other social sciences	57.3	58.3	57.5	63.2	45.3	49.4	70.7	59.4	48.6

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-9.

**Employed individuals with S&E highest degrees whose jobs are closely or somewhat related to field of highest degree by degree level and years since degree: 1999
(Percentages)**

Field of highest degree	Employed S&Es, total	Years since degree						
		1–5	6–10	11–15	16–20	21–25	26–30	31–35
Master's								
All S&E	87.6	91.2	90.7	91.1	86.1	84.3	81.6	83.2
Engineering	91.8	93.2	93.1	94.8	92.7	90.3	87.0	92.5
Aerospace engineering	84.6	93.7	85.1	95.0	73.4	93.9	58.4	95.6
Chemical engineering	93.8	92.7	98.2	100.0	90.8	92.1	100.0	88.5
Civil engineering	90.4	91.8	96.5	95.1	95.4	75.4	88.4	89.4
Electrical engineering	94.2	96.3	94.3	96.6	96.7	96.1	82.1	95.7
Industrial engineering	86.5	93.9	91.2	86.4	89.2	72.1	88.7	S
Mechanical engineering	90.8	91.5	93.0	91.6	83.0	97.1	91.9	93.1
Other engineering	91.8	90.5	89.2	93.9	93.8	95.3	92.8	92.6
Life sciences	85.8	92.4	86.4	89.5	83.9	83.1	80.1	79.9
Agriculture	78.5	91.8	74.9	94.1	75.8	65.2	S	70.6
Biological sciences	86.8	94.3	88.3	87.9	84.5	86.2	79.2	83.8
Health and medical	91.4	86.1	91.6	93.2	92.9	100.0	S	S
Computer and math sciences	91.5	96.0	94.4	93.1	91.2	96.8	80.6	70.8
Computer sciences	94.3	97.8	97.4	92.1	91.3	94.6	87.2	S
Mathematical sciences	87.0	91.2	87.1	96.8	91.0	98.4	77.6	70.3
Physical sciences	83.9	90.5	92.4	79.7	79.6	76.8	80.4	89.4
Chemistry	84.9	95.0	87.1	76.8	84.0	81.7	82.8	93.5
Geosciences	81.1	87.6	93.1	73.3	85.2	76.0	68.1	S
Physics and astronomy	82.6	87.2	91.4	91.1	60.4	64.7	86.7	84.4
Other physical sciences	94.3	91.7	100.0	91.0	100.0	100.0	S	S
Social sciences	83.1	86.8	85.3	89.6	81.4	78.0	78.5	76.6
Economics	82.3	89.5	75.3	93.4	82.3	72.4	71.7	100.0
Political sciences	71.6	85.7	65.3	75.8	59.7	69.1	71.2	S
Psychology	88.7	90.8	93.8	93.0	86.0	85.0	82.4	91.0
Sociology and anthropology	74.9	82.2	75.0	87.0	66.1	56.1	88.1	61.6
Other social sciences	77.8	76.9	88.9	83.2	86.4	75.7	70.4	S

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-9.

Employed individuals with S&E highest degrees whose jobs are closely or somewhat related to field of highest degree by degree level and years since degree: 1999
 (Percentages)

Field of highest degree	Employed S&Es, total	Years since degree						
		1–5	6–10	11–15	16–20	21–25	26–30	31–35
Doctorate								
All S&E	92.6	95.0	93.5	92.5	92.4	91.1	90.1	92.0
Engineering	92.6	94.4	93.0	91.4	94.8	91.5	87.4	95.6
Aerospace engineering	94.6	95.9	95.5	91.0	100.0	100.0	87.6	100.0
Chemical engineering	92.9	95.3	91.5	89.1	97.0	90.5	91.4	97.0
Civil engineering	95.3	94.8	94.1	97.4	99.2	90.1	100.0	87.5
Electrical engineering	94.3	95.9	94.1	96.4	96.1	95.2	86.0	97.9
Industrial engineering	87.9	98.0	90.7	90.2	100.0	100.0	60.0	S
Mechanical engineering	91.4	91.1	90.9	93.9	91.7	90.6	86.1	100.0
Other engineering	90.8	93.6	92.9	85.3	92.7	88.7	85.3	93.0
Life sciences	92.9	95.6	95.3	90.8	91.3	90.9	92.1	92.8
Agriculture	91.1	94.4	95.9	87.2	91.8	87.9	89.7	93.1
Biological sciences	93.0	95.5	95.2	91.2	91.3	90.9	92.3	92.8
Health and medical	95.3	100.0	92.9	93.9	91.2	99.6	96.5	86.1
Computer and math sciences	93.1	96.0	92.3	93.3	93.6	93.1	88.3	90.3
Computer sciences	97.7	98.5	96.4	97.0	98.4	100.0	S	S
Mathematical sciences	91.1	93.8	88.6	91.0	91.6	92.3	88.1	90.3
Physical sciences	89.5	91.8	87.7	91.8	90.9	87.8	86.9	88.7
Chemistry	91.1	95.7	91.0	92.6	91.4	91.4	88.3	87.3
Geosciences	92.6	92.3	88.1	91.6	91.5	94.5	93.9	97.0
Physics and astronomy	85.6	86.5	81.4	90.1	90.4	79.3	83.0	88.7
Other physical sciences	96.3	93.1	100.0	100.0	81.7	100.0	S	S
Social sciences	94.7	96.3	96.4	95.1	93.2	92.9	93.3	93.9
Economics	97.2	95.7	96.9	97.3	95.9	99.1	97.3	98.5
Political sciences	91.3	93.7	92.3	88.2	97.1	88.0	89.8	87.7
Psychology	96.1	98.0	97.9	96.7	94.7	94.0	93.7	95.7
Sociology and anthropology	91.2	92.2	94.5	91.4	89.2	88.8	91.7	85.3
Other social sciences	91.9	96.4	93.0	94.3	85.8	90.3	91.6	90.8

^aIncludes professional degrees.

S = suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Appendix table 3-10.

Individuals with S&E occupations, by highest degree attained, occupation, and employment status: 1999

Occupation	Total S&Es	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
		All degree levels ^a						
All S&E occupations	4,120,700	3,540,800	3,267,400	273,400	56,000	523,900	364,400	159,400
Scientists	2,464,500	2,170,500	1,949,400	221,100	30,200	263,800	146,100	117,700
Computer and math scientists	1,277,900	1,167,400	1,092,400	74,900	14,700	95,800	52,700	43,100
Computer and information scientists	1,147,400	1,058,100	1,011,400	46,700	13,400	75,800	41,000	34,900
Mathematical scientists	45,100	36,200	31,200	5,000	900	8,000	4,700	3,300
Postsecondary teachers	85,400	73,000	49,800	23,200	400	12,000	7,100	4,900
Life and related scientists	406,100	341,900	311,800	30,100	4,400	59,800	28,800	31,000
Agricultural and food scientists	47,500	39,700	37,000	2,700	400	7,400	4,400	2,900
Biological scientists	244,800	206,500	192,700	13,800	2,200	36,100	12,800	23,300
Environmental life scientists	22,800	19,800	18,300	1,600	S	2,200	2,200	S
Postsecondary teachers	90,900	75,800	63,800	12,100	1,000	14,100	9,400	4,700
Physical and related scientists	360,600	297,900	272,000	25,900	5,800	57,000	39,300	17,700
Chemistry, except biochemistry	155,200	121,700	116,000	5,700	3,700	29,800	20,700	9,200
Earth scientists, geologists, oceanographers	83,900	72,800	66,900	5,900	1,400	9,600	7,000	2,700
Physicists and astronomers	37,900	30,400	27,900	2,500	S	7,000	5,800	1,200
Other physical and related scientists	24,000	22,200	20,900	1,300	S	1,800	700	1,100
Postsecondary teachers	59,600	50,700	40,200	10,400	200	8,700	5,200	3,500
Social and related scientists	419,900	363,400	273,200	90,200	5,300	51,300	25,200	26,000
Economists	42,200	35,400	31,500	3,900	400	6,400	3,500	2,900
Political and related scientists	13,500	11,600	9,800	1,800	S	1,700	400	1,300
Psychologists	223,700	197,000	141,600	55,400	2,700	24,000	10,200	13,800
Sociologists and anthropologists	21,200	17,600	14,200	3,400	700	2,900	900	2,000
Other social and related scientists	15,800	13,600	11,500	2,100	600	1,600	800	700
Postsecondary teachers	103,500	88,100	64,600	23,600	600	14,700	9,400	5,300
Engineers	1,656,200	1,370,300	1,318,000	52,300	25,800	260,000	218,300	41,700
Aerospace and related engineers	93,700	67,400	65,200	2,200	1,800	24,400	22,000	2,400
Chemical engineers	101,100	79,900	77,100	2,700	1,900	19,300	16,400	3,000
Civil and architectural engineers	265,900	223,700	214,400	9,300	2,600	39,600	33,300	6,300
Electrical and related engineers	432,800	362,300	350,600	11,700	5,000	65,500	56,000	9,500
Industrial engineers	98,100	81,200	77,200	3,900	1,600	15,400	11,800	3,600
Mechanical engineers	317,400	265,800	257,900	7,900	5,500	46,100	40,300	5,800
Other engineers	309,400	258,700	249,800	8,900	7,200	43,500	33,300	10,300
Postsecondary teachers	37,900	31,400	25,800	5,600	200	6,200	5,300	900

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-10.

Individuals with S&E occupations, by highest degree attained, occupation, and employment status: 1999

Occupation	Total S&Es	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
		Bachelor's						
All S&E occupations	2,350,500	1,994,400	1,870,600	123,800	32,700	323,300	223,200	100,100
Scientists	1,228,500	1,087,100	997,300	89,800	16,200	125,200	54,000	71,200
Computer and math scientists	804,900	740,500	700,600	39,900	9,500	54,900	25,200	29,700
Computer and information scientists	773,400	715,400	686,700	28,800	9,200	48,800	22,500	26,300
Mathematical scientists	16,400	12,400	9,900	2,500	S	3,700	2,300	S
Postsecondary teachers	15,100	12,700	4,000	8,700	S	2,400	S	2,000
Life and related scientists	166,500	135,500	120,400	15,100	1,700	29,200	8,400	20,900
Agricultural and food scientists	24,900	20,100	19,000	1,100	S	4,600	2,600	2,000
Biological scientists	107,700	87,900	80,900	7,000	S	19,200	3,300	15,900
Environmental life scientists	17,100	14,600	13,600	S	S	1,700	1,700	S
Postsecondary teachers	16,800	12,800	6,800	6,000	S	3,700	S	2,900
Physical and related scientists	172,700	139,600	127,400	12,200	2,900	30,200	18,700	11,500
Chemistry, except biochemistry	90,400	70,500	68,100	2,400	1,900	18,000	11,300	6,800
Earth scientists, geologists, oceanographers	43,200	38,000	34,700	3,300	S	4,400	3,200	1,300
Physicists and astronomers	10,800	7,200	6,100	1,100	S	3,400	2,900	500
Other physical and related scientists	14,100	13,100	13,000	S	S	1,000	S	S
Postsecondary teachers	14,200	10,900	5,500	5,400	S	3,300	S	2,300
Social and related scientists	84,400	71,400	48,900	22,500	2,000	11,000	1,700	9,200
Economists	14,500	11,800	10,300	1,500	S	2,500	S	1,000
Political and related scientists	6,500	5,800	4,800	1,000	S	S	S	S
Psychologists	38,100	32,100	23,300	8,800	1,200	4,700	S	4,700
Sociologists and anthropologists	9,100	6,900	5,800	1,100	S	1,600	S	S
Other social and related scientists	4,600	4,500	3,500	1,000	S	S	S	S
Postsecondary teachers	11,600	10,400	S	9,200	S	1,200	S	1,200
Engineers	1,122,000	907,400	873,300	34,000	16,600	198,000	169,200	28,800
Aerospace and related engineers	55,300	36,300	34,900	1,400	1,400	17,600	15,900	1,700
Chemical engineers	66,200	51,100	49,300	1,800	800	14,400	12,000	2,400
Civil and architectural engineers	195,600	160,800	154,600	6,200	1,500	33,200	28,200	5,000
Electrical and related engineers	288,800	233,500	225,500	8,100	3,100	52,200	45,800	6,400
Industrial engineers	76,400	62,700	59,600	3,100	1,400	12,300	9,900	2,400
Mechanical engineers	234,400	194,300	188,900	5,300	3,600	36,600	32,700	3,900
Other engineers	198,800	163,000	157,400	5,600	4,800	31,000	23,900	7,000
Postsecondary teachers	6,400	5,600	3,100	2,500	S	800	S	100

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-10.

Individuals with S&E occupations, by highest degree attained, occupation, and employment status: 1999

Occupation	Total S&Es	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
		Master's						
All S&E occupations	1,188,100	1,032,100	921,500	110,600	17,300	138,800	90,800	48,000
Scientists	752,300	655,500	559,900	95,700	9,700	87,000	51,000	36,000
Computer and math scientists	393,700	354,100	323,200	30,900	4,700	34,900	22,900	12,000
Computer and information scientists	333,700	304,800	288,000	16,800	4,000	24,800	17,000	7,800
Mathematical scientists	19,900	16,000	14,000	2,000	S	3,400	1,700	1,700
Postsecondary teachers	40,200	33,300	21,300	12,000	S	6,700	4,200	2,500
Life and related scientists	86,700	72,500	64,500	8,100	1,300	12,900	6,600	6,200
Agricultural and food scientists	11,900	10,400	9,400	1,000	S	1,400	S	800
Biological scientists	50,800	42,700	39,700	3,100	500	7,600	3,400	4,200
Environmental life scientists	4,300	4,000	3,500	S	S	S	S	S
Postsecondary teachers	19,700	15,500	11,900	3,600	600	3,700	2,400	1,200
Physical and related scientists	88,500	73,000	63,800	9,100	1,400	14,100	9,600	4,500
Chemistry, except biochemistry	30,500	23,000	21,100	2,000	1,000	6,500	4,700	1,800
Earth scientists, geologists, oceanographers	28,600	24,300	22,200	2,000	400	3,900	2,700	1,200
Physicists and astronomers	10,200	8,500	7,800	700	S	1,800	1,300	500
Other physical and related scientists	7,800	7,300	6,300	1,100	S	500	S	S
Postsecondary teachers	11,400	9,800	6,500	3,300	S	1,500	700	800
Social and related scientists	183,400	155,900	108,400	47,500	2,300	25,200	11,900	13,300
Economists	18,000	15,200	13,100	2,000	S	2,700	900	1,700
Political and related scientists	5,100	4,200	3,500	800	S	700	S	600
Psychologists	118,100	102,400	70,400	32,000	1,100	14,500	7,500	7,000
Sociologists and anthropologists	7,500	6,900	5,100	1,800	S	S	S	S
Other social and related scientists	6,800	5,700	4,800	900	S	S	S	S
Postsecondary teachers	28,000	21,500	11,400	10,100	300	6,200	3,100	3,000
Engineers	435,900	376,500	361,700	14,900	7,600	51,800	39,800	12,000
Aerospace and related engineers	32,700	26,300	25,700	600	S	6,100	5,600	500
Chemical engineers	25,000	20,700	19,900	700	700	3,600	3,200	500
Civil and architectural engineers	64,300	57,200	54,600	2,700	900	6,100	4,800	1,300
Electrical and related engineers	123,100	109,400	106,100	3,200	1,600	12,000	9,000	3,000
Industrial engineers	20,700	17,400	16,600	800	S	3,100	1,900	1,200
Mechanical engineers	72,200	62,000	59,900	2,100	1,800	8,500	6,600	1,800
Other engineers	88,200	76,900	74,300	2,600	1,800	9,500	6,500	3,000
Postsecondary teachers	9,600	6,600	4,400	2,200	S	2,900	2,200	600

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-10.

Individuals with S&E occupations, by highest degree attained, occupation, and employment status: 1999

Occupation	Total S&Es	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
		Doctorate						
All S&E occupations	547,800	484,100	447,100	37,000	5,800	57,900	48,000	9,900
Scientists	452,200	399,900	366,100	33,800	4,100	48,200	39,000	9,200
Computer and math scientists	72,800	67,100	63,000	4,100	500	5,300	4,400	900
Computer and information scientists	34,100	32,400	31,300	1,100	200	1,500	1,100	400
Mathematical scientists	8,900	7,900	7,400	500	100	900	700	200
Postsecondary teachers	29,900	26,800	24,300	2,500	200	2,900	2,600	300
Life and related scientists	137,500	121,100	115,300	5,800	1,200	15,200	12,000	3,200
Agricultural and food scientists	10,700	9,200	8,600	600	100	1,400	1,300	100
Biological scientists	78,900	70,000	66,900	3,000	900	8,100	5,500	2,600
Environmental life scientists	1,500	1,200	1,100	S	S	200	200	S
Postsecondary teachers	46,400	40,800	38,700	2,100	100	5,500	5,000	500
Physical and related scientists	99,000	84,900	80,500	4,400	1,500	12,700	11,000	1,700
Chemistry, except biochemistry	34,200	28,100	26,900	1,200	700	5,400	4,700	700
Earth scientists, geologists, oceanographers	11,900	10,400	9,800	600	300	1,300	1,000	200
Physicists and astronomers	16,800	14,700	14,000	700	S	1,900	1,600	300
Other physical and related scientists	2,000	1,800	1,700	100	S	200	200	S
Postsecondary teachers	34,000	29,800	28,100	1,700	200	4,000	3,500	500
Social and related scientists	142,800	126,900	107,300	19,600	900	15,000	11,600	3,300
Economists	9,400	8,100	7,700	400	S	1,200	1,000	200
Political and related scientists	1,700	1,400	1,400	S	S	300	300	S
Psychologists	62,900	58,000	43,900	14,000	400	4,500	2,700	1,800
Sociologists and anthropologists	4,600	3,700	3,200	500	S	800	700	100
Other social and related scientists	3,300	2,400	2,100	300	S	800	700	100
Postsecondary teachers	60,900	53,300	49,000	4,300	300	7,300	6,300	1,100
Engineers	95,600	84,200	81,000	3,200	1,700	9,700	9,000	700
Aerospace and related engineers	5,200	4,600	4,400	200	S	500	500	S
Chemical engineers	9,700	8,100	7,800	200	300	1,300	1,200	100
Civil and architectural engineers	5,400	5,100	4,700	400	S	200	200	S
Electrical and related engineers	19,900	18,400	18,000	400	300	1,300	1,200	100
Industrial engineers	1,100	1,000	1,000	S	S	S	S	S
Mechanical engineers	10,300	9,100	8,800	300	200	1,000	1,000	S
Other engineers	22,100	18,800	18,100	700	500	2,800	2,600	200
Postsecondary teachers	21,800	19,200	18,300	900	100	2,500	2,400	200

S = suppressed for reasons of confidentiality and/or data reliability; S&E = science and engineering; SESTAT = Scientists and Engineers Statistical Data System

^aIncludes professional degrees.

NOTE: For unemployed individuals, occupation is for their previous reported job.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

See text table 3-5 in Volume 1.

Appendix table 3-11.

Individuals with S&E occupations, by highest degree attained, occupation, and employment status: 1993

Occupation	Total S&Es	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
		All degree levels ^a						
All S&E occupations	3,786,100	3,303,400	3,019,400	284,000	87,900	394,800	266,400	128,400
Scientists	2,140,900	1,912,300	1,691,400	220,900	38,600	190,000	93,800	96,200
Computer and math scientists	1,065,900	991,500	917,500	74,000	19,400	55,000	20,500	34,500
Computer and information scientists	926,000	870,000	825,600	44,400	16,900	39,200	12,700	26,500
Mathematical scientists	55,200	46,800	41,600	5,200	1,500	6,800	3,800	3,000
Postsecondary teachers	84,700	74,700	50,300	24,400	1,000	9,000	4,000	5,000
Life and related scientists	379,000	322,300	286,600	35,700	5,700	51,000	23,100	27,900
Agriculture and food scientists	52,500	44,600	40,500	4,100	800	7,100	4,400	2,700
Biological scientists	209,400	175,900	161,400	14,500	3,300	30,200	10,900	19,300
Environmental life scientists	28,200	24,800	22,500	2,300	300	3,000	2,000	1,100
Postsecondary teachers	88,900	77,000	62,100	14,900	1,300	10,600	5,800	4,800
Physical and related scientists	339,500	280,900	247,900	33,100	8,200	50,400	33,400	16,900
Chemists, except biochemists	142,600	114,200	107,300	6,900	3,400	25,000	16,400	8,600
Earth scientists, geologists, and oceanographers	83,300	68,700	61,700	7,100	2,500	12,100	8,100	4,000
Physicists and astronomers	40,900	34,900	30,000	4,900	1,000	5,100	3,600	1,500
Other physical and related scientists	20,500	17,700	16,600	1,100	600	2,200	1,700	500
Postsecondary teachers	52,200	45,500	32,300	13,200	700	6,000	3,700	2,300
Social and related scientists	356,600	317,600	239,500	78,100	5,300	33,700	16,900	16,900
Economists	37,000	31,100	27,100	4,000	900	5,100	2,900	2,200
Political and related scientists	10,000	8,600	7,000	1,600	400	1,000	500	400
Psychologists	167,500	150,800	112,400	38,300	1,600	15,100	6,400	8,700
Sociologists and anthropologists	19,100	15,100	11,700	3,400	900	3,100	700	2,400
Other social and related scientists	25,300	24,000	18,400	5,500	300	1,000	500	600
Postsecondary teachers	97,700	88,100	62,800	25,300	1,100	8,400	5,900	2,600
Engineers	1,645,100	1,391,100	1,328,000	63,100	49,300	204,800	172,600	32,200
Aerospace and related engineers	109,000	84,100	81,100	2,900	4,300	20,700	19,100	1,600
Chemical engineers	96,300	77,700	74,300	3,500	2,100	16,400	13,200	3,200
Civil and architectural engineers	223,500	191,500	180,500	11,000	5,400	26,500	22,500	4,100
Electrical and related engineers	422,600	362,500	350,300	12,200	12,900	47,200	39,900	7,300
Industrial engineers	83,700	70,200	67,700	2,500	2,400	11,000	9,100	1,900
Mechanical engineers	302,900	253,300	244,500	8,800	10,200	39,400	35,400	4,000
Other engineers	368,400	318,600	303,000	15,600	11,200	38,600	29,800	8,800
Postsecondary teachers	38,800	33,100	26,500	6,600	800	4,900	3,600	1,300

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-11.
Individuals with S&E occupations, by highest degree attained, occupation, and employment status: 1993

Occupation	Total S&Es	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
		Bachelor's						
All S&E occupations	2,293,600	1,980,300	1,837,600	142,700	56,100	257,200	177,500	79,700
Scientists	1,122,700	1,007,000	904,700	102,300	18,400	97,300	41,400	55,900
Computer and math scientists	720,300	676,200	630,900	45,300	10,300	33,800	10,400	23,400
Computer and information scientists	674,300	637,300	605,100	32,200	9,900	27,100	7,800	19,300
Mathematical scientists	24,900	21,200	18,800	2,400	S	3,700	1,900	1,800
Postsecondary teachers	21,200	17,800	7,000	10,800	400	3,000	S	2,300
Life and related scientists	159,900	131,600	113,800	17,800	2,600	25,700	8,700	17,000
Agricultural and food scientists	31,200	27,000	24,700	2,300	400	3,700	2,100	1,600
Biological scientists	90,800	72,300	65,800	6,500	1,500	17,000	4,200	12,800
Environmental life scientists	20,200	18,000	16,500	1,500	S	2,000	1,400	S
Postsecondary teachers	17,700	14,400	6,800	7,500	S	2,900	1,000	2,000
Physical and related scientists	163,200	130,700	114,200	16,400	3,300	29,200	20,000	9,300
Chemistry, except biochemistry	85,000	66,500	63,100	3,400	1,700	16,700	10,800	5,900
Earth scientists, geologists, and oceanographers	43,200	35,100	31,700	3,400	800	7,300	5,700	1,600
Physicists and astronomers	11,000	8,900	7,400	1,500	200	1,800	1,400	500
Other physical and related scientists	11,200	9,200	8,900	300	S	1,600	1,400	S
Postsecondary teachers	12,900	11,000	3,100	7,800	200	1,700	600	1,100
Social and related scientists	79,300	68,500	45,800	22,700	2,200	8,600	2,400	6,200
Economists	13,400	10,800	9,100	1,700	S	2,200	1,500	700
Political and related scientists	5,900	5,400	4,100	1,400	S	S	S	S
Psychologists	30,000	25,800	18,000	7,900	600	3,600	S	3,200
Sociologists and anthropologists	7,600	5,700	4,400	1,300	S	1,300	S	1,300
Other social and related scientists	9,300	8,700	7,200	1,500	S	400	S	S
Postsecondary teachers	13,100	12,100	3,100	9,000	S	S	S	S
Engineers	1,170,900	973,300	932,900	40,400	37,700	159,900	136,100	23,800
Aerospace and related engineers	73,900	54,200	52,500	1,700	3,200	16,400	15,200	1,200
Chemical engineers	64,300	49,900	48,500	1,500	1,700	12,600	9,900	2,700
Civil and architectural engineers	165,700	139,700	131,700	8,000	4,300	21,700	18,400	3,300
Electrical and related engineers	298,900	251,800	243,800	8,000	9,900	37,100	32,100	5,100
Industrial engineers	65,300	54,700	52,700	2,000	1,600	9,000	7,400	1,600
Mechanical engineers	234,200	194,400	188,200	6,100	7,500	32,300	29,200	3,100
Other engineers	260,700	222,300	212,000	10,300	9,100	29,300	23,300	6,000
Postsecondary teachers	8,000	6,200	3,500	2,800	400	1,400	600	800

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-11.

Individuals with S&E occupations, by highest degree attained, occupation, and employment status: 1993

Occupation	Total S&Es	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
		Master's						
All S&E occupations	1,013,600	891,300	781,100	110,200	25,200	97,200	57,200	40,000
Scientists	615,600	541,400	450,500	90,900	15,000	59,200	26,500	32,700
Computer and math scientists	290,100	263,600	237,900	25,700	8,300	18,200	7,700	10,500
Computer and information scientists	230,300	212,400	201,200	11,200	6,400	11,500	4,400	7,100
Mathematical scientists	22,000	18,200	15,900	2,300	1,400	2,500	1,300	1,100
Postsecondary teachers	37,700	33,000	20,800	12,200	500	4,200	2,000	2,300
Life and related scientists	85,100	70,400	59,200	11,200	1,800	12,900	5,300	7,600
Agricultural and food scientists	11,700	9,700	8,500	1,200	S	1,800	1,000	800
Biological scientists	44,400	37,100	33,000	4,100	900	6,500	2,300	4,100
Environmental life scientists	6,800	6,000	5,300	700	S	800	S	S
Postsecondary teachers	22,100	17,700	12,400	5,200	600	3,900	1,600	2,200
Physical and related scientists	87,400	72,600	60,100	12,400	2,900	11,900	6,000	6,000
Chemistry, except biochemistry	26,700	21,100	18,900	2,300	800	4,800	2,700	2,100
Earth scientists, geologists, and oceanographers	28,800	23,900	20,700	3,100	1,400	3,500	1,500	2,000
Physicists and astronomers	13,000	11,000	8,400	2,600	200	1,800	1,100	800
Other physical and related scientists	6,900	6,400	5,800	600	200	300	S	200
Postsecondary teachers	12,000	10,200	6,400	3,800	400	1,500	600	900
Social and related scientists	153,100	134,900	93,300	41,600	2,000	16,200	7,600	8,600
Economists	15,900	13,500	11,600	1,800	300	2,100	700	1,400
Political and related scientists	2,400	1,900	1,800	S	S	S	S	S
Psychologists	85,600	76,400	54,900	21,500	700	8,600	4,100	4,400
Sociologists and anthropologists	7,500	6,300	4,600	1,700	200	1,000	S	800
Other social and related scientists	11,700	11,200	8,000	3,300	S	400	S	S
Postsecondary teachers	30,000	25,600	12,300	13,300	600	3,800	2,300	1,500
Engineers	398,000	349,900	330,600	19,200	10,200	38,000	30,700	7,300
Aerospace and related engineers	31,100	26,200	25,200	1,000	900	4,000	3,700	400
Chemical engineers	24,800	21,800	20,100	1,700	300	2,800	2,400	400
Civil and architectural engineers	53,300	47,800	45,000	2,800	1,100	4,400	3,700	700
Electrical and related engineers	110,200	98,500	94,800	3,700	2,700	9,000	6,900	2,100
Industrial engineers	17,700	15,100	14,500	600	700	2,000	1,700	300
Mechanical engineers	60,900	51,800	49,600	2,200	2,600	6,500	5,600	900
Other engineers	88,200	79,600	75,400	4,200	1,700	6,900	4,700	2,200
Postsecondary teachers	11,800	9,100	6,000	3,100	S	2,300	1,900	400

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-11.
Individuals with S&E occupations, by highest degree attained, occupation, and employment status: 1993

Occupation	Total S&Es	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
		Doctorate						
All S&E occupations	439,400	395,600	368,500	27,100	6,500	37,300	29,700	7,700
Scientists	367,100	330,500	306,700	23,800	5,200	31,400	24,400	6,900
Computer and math scientists	52,400	48,700	45,800	2,900	700	2,900	2,300	700
Computer and information scientists	18,500	17,500	16,600	900	500	500	400	100
Mathematical scientists	8,200	7,400	6,900	500	200	700	500	200
Postsecondary teachers	25,600	23,800	22,300	1,500	100	1,700	1,300	400
Life and related scientists	111,400	98,100	93,600	4,500	1,400	11,900	9,000	2,900
Agricultural and food scientists	9,500	7,800	7,300	500	200	1,500	1,400	100
Biological scientists	63,800	56,400	53,800	2,600	1,000	6,500	4,300	2,100
Environmental life scientists	1,100	900	800	100	S	300	200	S
Postsecondary teachers	36,900	33,000	31,700	1,300	300	3,700	3,100	600
Physical and related scientists	87,800	77,000	72,900	4,100	2,000	8,800	7,100	1,700
Chemistry, except biochemistry	30,200	25,800	24,700	1,100	900	3,500	2,900	600
Earth scientists, geologists, and oceanographers	11,400	9,800	9,300	500	300	1,200	900	400
Physicists and astronomers	17,000	15,000	14,200	800	600	1,400	1,100	300
Other physical and related scientists	2,300	2,000	1,900	100	S	300	200	S
Postsecondary teachers	26,900	24,300	22,800	1,500	200	2,400	2,000	300
Social and related scientists	115,600	106,700	94,400	12,400	1,100	7,800	6,000	1,800
Economists	7,100	6,300	5,800	500	200	700	700	S
Political and related scientists	1,600	1,200	1,100	100	S	400	400	S
Psychologists	46,700	44,300	36,300	8,100	300	2,100	1,300	800
Sociologists and anthropologists	3,900	3,100	2,700	400	100	800	600	200
Other social and related scientists	3,300	3,000	2,600	300	S	300	200	100
Postsecondary teachers	52,900	48,900	45,900	3,000	400	3,600	2,900	600
Engineers	72,300	65,000	61,800	3,200	1,300	6,000	5,200	700
Aerospace and related engineers	4,000	3,600	3,400	100	200	200	200	100
Chemical engineers	7,100	6,000	5,700	300	100	900	800	100
Civil and architectural engineers	3,600	3,200	3,000	200	S	400	300	S
Electrical and related engineers	12,900	11,600	11,100	500	300	1,000	900	200
Industrial engineers	600	400	400	S	S	100	100	S
Mechanical engineers	7,100	6,500	6,200	200	100	600	500	S
Other engineers	18,100	16,000	14,900	1,200	400	1,700	1,500	200
Postsecondary teachers	18,900	17,700	17,100	700	100	1,000	1,000	100

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

NOTE: For unemployed individuals, occupation is for their previous reported job.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993.

See text table 3-5 in Volume 1.

Appendix table 3-12.

Employed individuals in S&E occupations, by highest degree attained, occupation, and employment sector: 1999

Occupation	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/ university	Other	Total	Federal	State/ local
All degree levels^a											
All S&E occupations	3,540,800	2,482,400	2,263,300	105,200	114,000	608,500	496,400	112,100	449,900	241,100	208,800
Scientists	2,170,500	1,373,600	1,197,400	80,200	96,000	541,800	434,200	107,600	255,100	137,300	117,800
Computer and math scientists	1,167,400	943,800	886,800	21,500	35,600	132,200	95,000	37,300	91,300	52,600	38,600
Computer and information scientists	1,058,100	925,900	871,900	21,200	32,900	52,100	40,000	12,100	80,100	44,300	35,800
Mathematical scientists	36,200	17,300	14,300	300	2,700	7,800	7,500	400	11,100	8,400	2,700
Postsecondary teachers	73,000	600	600	S	S	72,300	47,500	24,800	S	S	S
Life and related scientists	341,900	113,400	92,600	8,000	12,800	163,300	148,900	14,400	65,300	36,700	28,500
Agricultural and food scientists	39,700	26,000	22,800	2,600	600	6,100	5,300	700	7,700	4,800	2,900
Biological scientists	206,500	80,900	66,000	3,700	11,200	81,200	79,100	2,100	44,400	24,600	19,900
Environmental life scientists	19,800	5,500	3,400	1,600	400	1,200	700	S	13,100	7,400	5,700
Postsecondary teachers	75,800	1,100	S	S	S	74,800	63,800	11,000	S	S	S
Physical and related scientists	297,900	161,200	148,800	6,300	6,100	82,400	73,200	9,100	54,300	31,300	23,000
Chemistry, except biochemistry	121,700	94,400	90,900	1,100	2,500	11,400	11,400	S	15,900	6,000	9,900
Earth scientists, geologists, and oceanographers	72,800	43,100	38,700	3,500	900	9,100	8,300	700	20,700	14,100	6,600
Physicists and astronomers	30,400	13,600	11,100	200	2,400	10,000	9,900	100	6,800	5,900	900
Other physical and related scientists	22,200	9,900	8,200	1,500	300	1,600	1,600	S	10,700	5,000	5,700
Postsecondary teachers	50,700	S	S	S	S	50,300	42,000	8,300	200	S	S
Social and related scientists	363,400	155,200	69,200	44,500	41,600	163,900	117,100	46,800	44,300	16,600	27,700
Economists	35,400	21,800	17,400	2,100	2,300	2,200	2,200	S	11,400	6,600	4,800
Political and related scientists	11,600	4,500	900	900	2,600	2,600	2,600	S	4,600	2,500	2,000
Psychologists	197,000	116,000	45,100	39,800	31,100	59,400	23,000	36,400	21,600	4,400	17,200
Sociologists and anthropologists ..	17,600	5,500	2,800	300	2,400	7,300	6,900	300	4,800	1,900	2,900
Other social and related scientists	13,600	7,100	2,900	1,100	3,100	4,600	4,000	700	1,900	1,200	700
Postsecondary teachers	88,100	300	S	S	S	87,900	78,400	9,500	S	S	S
Engineers	1,370,300	1,108,800	1,065,900	25,000	18,000	66,700	62,100	4,500	194,800	103,800	90,900
Aerospace and related engineers	67,400	50,800	49,900	300	600	2,500	2,500	S	14,100	14,000	S
Chemical engineers	79,900	74,900	72,800	1,300	800	2,000	1,900	S	3,000	2,600	S
Civil and architectural engineers	223,700	142,400	132,700	7,600	2,000	3,600	3,400	S	77,700	17,200	60,500
Electrical and related engineers	362,300	310,300	300,600	4,300	5,400	10,700	9,700	1,000	41,300	33,300	8,000
Industrial engineers	81,200	75,900	73,200	1,100	1,500	1,500	1,500	S	3,800	3,100	700
Mechanical engineers	265,800	245,200	237,100	5,400	2,700	5,300	5,200	S	15,300	12,100	3,200
Other engineers	258,700	209,400	199,600	4,900	4,900	9,700	9,600	200	39,600	21,500	18,100
Postsecondary teachers	31,400	S	S	S	S	31,400	28,300	3,100	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-12.

Employed individuals in S&E occupations, by highest degree attained, occupation, and employment sector: 1999

Occupation	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/ university	Other	Total	Federal	State/ local
Bachelor's											
All S&E occupations	1,994,400	1,555,000	1,465,300	37,200	52,500	171,800	142,500	29,300	267,600	130,200	137,500
Scientists	1,087,100	802,300	738,000	22,000	42,300	150,400	123,500	26,900	134,300	66,100	68,200
Computer and math scientists	740,500	630,000	592,300	13,300	24,400	51,000	36,100	14,900	59,500	31,900	27,600
Computer and information scientists	715,400	624,800	587,900	13,100	23,800	35,600	26,100	9,500	55,000	28,600	26,400
Mathematical scientists	12,400	4,900	4,200	S	S	3,000	2,800	S	4,500	3,300	1,200
Postsecondary teachers	12,700	S	S	S	S	12,500	7,300	5,200	S	S	S
Life and related scientists	135,500	55,600	47,500	3,800	4,300	47,300	43,000	4,300	32,500	15,900	16,700
Agricultural and food scientists	20,100	15,500	13,900	S	S	1,200	1,200	S	3,400	2,500	900
Biological scientists	87,900	36,600	31,300	1,700	3,700	32,700	31,500	1,200	18,600	7,300	11,300
Environmental life scientists	14,600	3,300	2,000	S	S	S	S	S	10,500	6,100	4,400
Postsecondary teachers	12,800	S	S	S	S	12,500	10,000	2,500	S	S	S
Physical and related scientists	139,600	87,200	82,400	2,800	2,000	22,300	21,200	1,100	30,200	14,000	16,200
Chemistry, except biochemistry	70,500	55,000	53,300	S	1,500	5,300	5,300	S	10,100	2,700	7,500
Earth scientists, geologists, and oceanographers	38,000	24,000	21,800	2,000	S	2,800	2,800	S	11,100	7,300	3,800
Physicists and astronomers	7,200	2,400	2,200	S	S	3,400	3,400	S	1,500	1,100	S
Other physical and related scientists	13,100	5,700	5,100	S	S	S	S	S	7,300	2,800	4,500
Postsecondary teachers	10,900	S	S	S	S	10,700	9,700	S	S	S	S
Social and related scientists	71,400	29,600	15,800	2,200	11,600	29,800	23,100	6,700	12,100	4,300	7,800
Economists	11,800	6,200	5,400	S	S	700	700	S	4,900	1,600	3,300
Political and related scientists	5,800	2,000	S	S	1,000	1,000	1,000	S	2,800	1,400	1,300
Psychologists	32,100	16,500	7,900	S	7,800	13,000	7,800	5,200	2,700	S	2,300
Sociologists and anthropologists ..	6,900	2,400	S	S	S	3,100	3,000	S	S	S	S
Other social and related scientists	4,500	2,500	S	S	1,600	1,700	1,400	S	S	S	S
Postsecondary teachers	10,400	S	S	S	S	10,400	9,200	S	S	S	S
Engineers	907,400	752,700	727,200	15,200	10,300	21,400	19,000	2,400	133,300	64,100	69,300
Aerospace and related engineers	36,300	29,000	28,700	S	S	600	600	S	6,800	6,800	S
Chemical engineers	51,100	47,800	46,800	S	S	1,200	1,200	S	2,100	1,700	S
Civil and architectural engineers	160,800	98,100	92,800	4,000	1,400	1,900	1,800	S	60,800	11,700	49,100
Electrical and related engineers	233,500	202,100	196,300	2,700	3,100	4,400	3,600	800	27,100	20,400	6,700
Industrial engineers	62,700	58,600	56,800	S	700	1,200	1,200	S	2,900	2,400	S
Mechanical engineers	194,300	181,000	175,600	3,800	1,600	2,300	2,300	S	11,000	8,700	2,300
Other engineers	163,000	136,000	130,200	2,700	3,100	4,300	4,200	S	22,700	12,500	10,200
Postsecondary teachers	5,600	S	S	S	S	5,500	4,200	1,300	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-12.

Employed individuals in S&E occupations, by highest degree attained, occupation, and employment sector: 1999

Occupation	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/ university	Other	Total	Federal	State/ local
Master's											
All S&E occupations	1,032,100	719,400	639,100	41,200	39,100	178,400	111,800	66,600	134,300	75,500	58,800
Scientists	655,500	415,600	348,300	33,300	34,000	159,200	94,100	65,100	80,800	42,500	38,300
Computer and math scientists	354,100	276,400	260,300	7,000	9,000	50,200	29,900	20,300	27,600	17,800	9,800
Computer and information scientists	304,800	268,400	253,500	7,000	7,900	13,600	11,200	2,400	22,800	14,100	8,800
Mathematical scientists	16,000	8,000	6,800	S	1,200	3,300	3,300	S	4,700	3,700	1,000
Postsecondary teachers	33,300	S	S	S	S	33,300	15,500	17,800	S	S	S
Life and related scientists	72,500	25,000	19,100	2,100	3,900	27,800	20,900	6,900	19,700	9,800	9,900
Agricultural and food scientists	10,400	5,600	4,400	1,200	S	2,200	1,500	S	2,600	700	1,900
Biological scientists	42,700	17,000	13,300	S	3,200	10,900	10,700	S	14,800	8,100	6,800
Environmental life scientists	4,000	1,700	1,200	S	S	S	S	S	2,200	1,000	1,200
Postsecondary teachers	15,500	S	S	S	S	14,800	8,700	6,100	S	S	S
Physical and related scientists	73,000	40,100	36,200	2,300	1,600	19,400	14,200	5,200	13,500	8,200	5,300
Chemistry, except biochemistry	23,000	16,800	16,100	S	S	3,100	3,100	S	3,100	1,400	1,800
Earth scientists, geologists, and oceanographers	24,300	15,400	14,100	1,200	S	2,900	2,700	S	5,900	3,700	2,200
Physicists and astronomers	8,500	4,700	3,700	S	1,000	2,300	2,300	S	1,500	1,300	S
Other physical and related scientists	7,300	3,200	2,200	800	S	1,200	1,200	S	2,900	1,800	1,200
Postsecondary teachers	9,800	S	S	S	S	9,800	4,900	4,900	S	S	S
Social and related scientists	155,900	74,100	32,700	21,900	19,400	61,800	29,100	32,700	20,000	6,700	13,300
Economists	15,200	10,300	7,800	1,100	1,400	300	300	S	4,600	3,300	1,300
Political and related scientists	4,200	2,000	S	S	1,400	900	900	S	1,300	600	S
Psychologists	102,400	57,300	22,400	19,900	15,000	34,600	7,700	26,900	10,600	1,400	9,200
Sociologists and anthropologists	6,900	1,800	900	S	1,000	2,500	2,400	S	2,600	S	1,700
Other social and related scientists	5,700	2,700	1,300	S	700	2,000	1,800	S	1,100	S	S
Postsecondary teachers	21,500	S	S	S	S	21,500	16,000	5,500	S	S	S
Engineers	376,500	303,800	290,800	7,900	5,100	19,200	17,700	1,500	53,500	33,000	20,500
Aerospace and related engineers	26,300	18,600	18,400	S	200	1,500	1,500	S	6,200	6,200	S
Chemical engineers	20,700	19,800	19,200	S	300	300	300	S	500	500	S
Civil and architectural engineers	57,200	40,300	36,700	3,300	S	1,100	1,100	S	15,800	5,000	10,800
Electrical and related engineers	109,400	92,500	89,700	1,100	1,700	5,000	4,900	S	11,900	10,600	1,300
Industrial engineers	17,400	16,300	15,600	S	800	300	300	S	800	600	S
Mechanical engineers	62,000	56,600	54,600	1,300	700	1,800	1,800	S	3,600	2,800	800
Other engineers	76,900	59,600	56,600	1,800	1,200	2,600	2,600	S	14,700	7,200	7,500
Postsecondary teachers	6,600	S	S	S	S	6,600	5,200	1,400	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-12.

Employed individuals in S&E occupations, by highest degree attained, occupation, and employment sector: 1999

Occupation	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/ university	Other	Total	State/ local	
									Federal		
Doctorate											
All S&E occupations	484,100	195,000	150,000	24,700	20,300	244,300	229,900	14,400	44,800	32,900	11,900
Scientists	399,900	144,000	103,200	23,000	17,700	218,300	204,400	13,800	37,700	26,900	10,800
Computer and math scientists	67,100	32,600	29,400	1,100	2,000	30,700	28,700	2,000	3,800	2,700	1,100
Computer and information scientists	32,400	27,800	25,800	900	1,100	2,800	2,700	S	1,800	1,300	500
Mathematical scientists	7,900	4,400	3,200	200	900	1,600	1,400	100	1,900	1,400	500
Postsecondary teachers	26,800	300	300	S	S	26,300	24,500	1,800	S	S	S
Life and related scientists	121,100	30,400	24,200	1,900	4,300	78,500	75,600	2,900	12,200	10,200	2,000
Agricultural and food scientists	9,200	4,900	4,400	400	100	2,700	2,600	S	1,700	1,600	100
Biological scientists	70,000	25,000	19,600	1,400	4,000	34,800	34,200	600	10,100	8,300	1,800
Environmental life scientists	1,200	400	200	S	200	400	400	S	400	300	S
Postsecondary teachers	40,800	S	S	S	S	40,700	38,300	2,300	S	S	S
Physical and related scientists	84,900	33,800	30,200	1,100	2,500	40,600	37,800	2,800	10,400	8,800	1,600
Chemistry, except biochemistry	28,100	22,500	21,400	500	600	3,000	2,900	S	2,600	1,900	700
Earth scientists, geologists, and oceanographers	10,400	3,600	2,800	300	500	3,300	2,900	400	3,400	2,800	600
Physicists and astronomers	14,700	6,600	5,200	200	1,200	4,300	4,200	S	3,800	3,600	300
Other physical and related scientists	1,800	1,000	800	100	S	300	300	S	500	500	S
Postsecondary teachers	29,800	S	S	S	S	29,700	27,400	2,300	S	S	S
Social and related scientists	126,900	47,100	19,300	18,800	8,900	68,500	62,300	6,100	11,300	5,200	6,100
Economists	8,100	5,000	3,900	400	700	1,200	1,200	S	1,900	1,700	300
Political and related scientists	1,400	500	200	S	200	600	600	S	300	300	S
Psychologists	58,000	39,200	14,400	17,500	7,300	11,100	7,500	3,500	7,700	2,500	5,200
Sociologists and anthropologists	3,700	1,300	600	300	400	1,600	1,500	100	900	500	400
Other social and related scientists	2,400	1,000	300	300	300	1,000	700	S	500	300	200
Postsecondary teachers	53,300	300	S	S	S	53,000	50,700	2,200	S	S	S
Engineers	84,200	51,000	46,700	1,700	2,500	26,100	25,500	600	7,100	5,900	1,200
Aerospace and related engineers	4,600	3,200	2,900	S	300	400	400	S	900	900	S
Chemical engineers	8,100	7,200	6,700	200	300	500	500	S	400	400	S
Civil and architectural engineers	5,100	3,400	2,700	400	400	600	600	S	1,100	500	700
Electrical and related engineers	18,400	15,300	14,100	500	700	1,300	1,200	S	1,800	1,800	S
Industrial engineers	1,000	900	800	S	S	S	S	S	100	100	S
Mechanical engineers	9,100	7,300	6,800	100	300	1,200	1,200	S	600	500	S
Other engineers	18,800	13,800	12,700	400	600	2,800	2,700	S	2,200	1,800	400
Postsecondary teachers	19,200	S	S	S	S	19,200	18,800	400	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Appendix table 3-13.

Employed individuals with S&E highest degree, by highest degree attained, field of highest degree, and employment sector: 1999

Field of highest degree	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/university	Other	Total	Federal	State/local
				All degree levels ^a							
All S&E degree fields	7,980,100	5,545,400	4,657,400	432,300	455,700	1,379,100	701,700	677,400	1,055,600	450,600	605,000
Sciences	6,043,700	3,945,200	3,167,800	353,400	423,900	1,279,100	621,000	658,200	819,400	319,200	500,200
Computer and math sciences	1,045,800	804,100	732,600	37,000	34,600	164,100	66,600	97,500	77,600	46,600	31,000
Computer and information sciences	586,500	506,200	472,700	16,800	16,600	40,900	25,100	15,900	39,400	25,300	14,200
Mathematical sciences	459,300	298,000	259,900	20,100	18,000	123,200	41,500	81,700	38,100	21,400	16,800
Life and related sciences	1,287,700	768,700	603,900	78,400	86,500	345,200	219,700	125,500	173,800	78,800	95,000
Agricultural and food sciences	230,400	167,800	128,100	33,400	6,300	35,800	23,400	12,500	26,700	13,500	13,300
Biological sciences	955,300	540,600	426,500	39,600	74,500	295,300	189,400	105,900	119,400	53,700	65,700
Environmental life sciences	102,100	60,300	49,400	5,300	5,700	14,100	7,000	7,100	27,600	11,600	16,000
Physical and related sciences	596,400	398,400	352,500	29,000	17,000	124,500	90,000	34,500	73,500	42,400	31,100
Chemistry, except biochemistry	276,200	195,100	175,000	11,900	8,300	55,800	41,000	14,800	25,300	12,000	13,200
Earth science, geology, and oceanography	152,800	98,200	86,900	8,700	2,500	27,000	16,600	10,400	27,600	14,500	13,100
Physics and astronomy	144,000	90,400	78,900	6,500	5,000	38,400	30,900	7,600	15,200	13,000	2,200
Other	23,500	14,700	11,600	1,900	1,200	3,300	1,500	1,800	5,400	2,800	2,600
Social and related sciences	3,088,400	1,957,800	1,465,300	208,100	284,400	638,900	243,900	394,900	491,700	150,700	341,000
Economics	406,500	320,300	267,300	37,800	15,200	43,500	27,800	15,600	42,700	26,000	16,700
Political and related sciences	567,000	394,200	325,000	34,200	35,000	72,900	34,300	38,600	99,900	44,600	55,300
Psychology	1,166,100	701,000	475,200	84,600	141,200	297,600	95,800	201,800	167,600	37,800	129,800
Sociology and anthropology	592,700	343,900	250,800	30,100	63,000	126,300	55,100	71,300	122,500	24,700	97,700
Other	356,100	198,400	146,900	21,400	30,100	98,600	30,900	67,600	59,100	17,600	41,400
Engineering	1,935,800	1,599,700	1,489,100	78,900	31,700	100,000	80,800	19,200	236,200	131,400	104,800
Aerospace and related engineering	76,300	59,900	54,900	3,600	1,400	4,800	3,900	900	11,700	10,700	900
Chemical engineering	147,700	130,200	126,500	1,700	2,100	6,200	5,800	500	11,200	6,900	4,300
Civil and architectural engineering	330,200	230,800	208,000	18,900	3,900	13,100	11,100	2,100	86,300	24,300	62,000
Electrical and related engineering	587,000	507,000	479,900	18,100	9,000	29,900	24,600	5,200	50,100	38,700	11,400
Industrial engineering	106,200	91,700	80,400	8,500	2,900	6,000	3,000	3,000	8,500	6,700	1,800
Mechanical engineering	386,000	338,700	319,200	13,900	5,700	14,500	11,800	2,700	32,700	21,100	11,600
Other	302,500	241,300	220,100	14,300	6,800	25,400	20,500	4,900	35,700	23,100	12,700

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-13.

Employed individuals with S&E highest degree, by highest degree attained, field of highest degree, and employment sector: 1999

Field of highest degree	Employed S&Es, total	Business/industry				Educational			Government		
		Total	Profit	Self-employed		Four-year college/university	Other	Total	Federal	State/local	
				Nonprofit	Bachelor's						
Bachelor's											
All S&E degree fields	5,866,100	4,312,700	3,654,300	323,800	334,500	762,800	305,400	457,300	790,700	314,100	476,500
Sciences	4,486,100	3,148,800	2,571,400	262,600	314,800	718,000	275,500	442,400	619,400	225,300	394,100
Computer and math sciences	742,700	595,500	539,600	29,100	26,800	89,100	23,700	65,400	58,000	32,300	25,700
Computer and information sciences	413,500	364,000	338,100	13,300	12,600	20,800	11,400	9,400	28,700	17,300	11,400
Mathematical sciences	329,200	231,500	201,600	15,800	14,200	68,300	12,300	56,000	29,300	15,000	14,300
Life and related sciences	947,000	631,000	501,800	62,600	66,500	190,000	101,700	88,200	126,100	50,200	75,800
Agricultural and food sciences	182,300	143,100	109,200	29,300	4,600	18,100	9,600	8,500	21,100	10,200	10,900
Biological sciences	686,000	438,000	351,300	28,600	58,000	163,200	88,600	74,600	84,800	32,500	52,300
Environmental life sciences	78,700	49,900	41,300	4,800	3,900	8,700	3,500	5,200	20,100	7,500	12,600
Physical and related sciences	360,500	264,800	234,500	19,700	10,600	51,300	32,100	19,200	44,400	20,600	23,800
Chemistry, except biochemistry	175,100	130,500	116,000	9,300	5,200	26,800	18,500	8,300	17,800	7,200	10,600
Earth science, geology, and oceanography	101,800	72,100	64,500	5,900	1,700	10,900	5,000	5,900	18,800	8,900	10,000
Physics and astronomy	66,900	49,800	44,400	2,700	2,700	11,800	8,300	3,500	5,300	3,800	1,500
Other	16,600	12,300	9,600	1,800	S	1,800	300	1,500	2,500	800	1,700
Social and related sciences	2,415,500	1,643,600	1,284,000	150,100	209,500	383,300	117,400	265,900	388,600	121,700	267,000
Economics	340,300	284,900	238,200	34,300	12,400	22,800	10,900	11,900	32,600	20,400	12,200
Political and related sciences	482,900	350,100	295,600	27,800	26,700	47,800	15,700	32,100	85,000	37,100	47,900
Psychology	794,500	525,400	387,300	44,700	93,400	154,000	45,500	108,400	115,200	29,000	86,200
Sociology and anthropology	525,200	319,600	236,000	27,300	56,300	95,100	31,700	63,400	110,500	21,400	89,100
Other	272,600	163,600	126,800	16,100	20,700	63,700	13,600	50,100	45,400	13,800	31,600
Engineering	1,379,400	1,163,300	1,082,300	61,300	19,800	44,800	29,900	14,900	171,300	88,900	82,400
Aerospace and related engineering	53,600	43,200	40,000	2,700	500	2,300	1,700	600	8,000	7,600	S
Chemical engineering	112,000	100,000	97,600	900	1,500	3,100	2,700	400	9,000	5,300	3,700
Civil and architectural engineering	247,000	173,700	157,700	14,000	2,100	6,400	5,000	1,500	66,800	17,600	49,200
Electrical and related engineering	407,400	356,900	336,800	13,900	6,200	14,000	9,400	4,600	36,500	27,000	9,400
Industrial engineering	79,500	70,900	61,500	7,700	1,700	3,100	600	2,500	5,400	4,400	1,000
Mechanical engineering	304,200	270,700	254,500	12,000	4,200	6,400	4,700	1,700	27,000	16,500	10,600
Other	175,800	147,800	134,200	9,900	3,700	9,500	5,900	3,600	18,500	10,500	8,100

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-13.

Employed individuals with S&E highest degree, by highest degree attained, field of highest degree, and employment sector: 1999

Field of highest degree	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/university	Other	Total	Federal	State/local
							Master's	Other			
All S&E degree fields	1,491,200	954,600	790,600	73,900	90,100	329,600	133,900	195,700	207,000	95,700	111,300
Sciences	1,040,400	585,600	445,100	59,100	81,400	304,500	111,900	192,600	150,200	60,100	90,100
Computer and math sciences	262,600	192,700	178,700	7,100	6,900	52,600	21,400	31,200	17,200	12,300	4,900
Computer and information sciences	160,900	135,500	128,500	3,300	3,800	15,700	9,300	6,300	9,700	7,100	2,600
Mathematical sciences	101,700	57,200	50,200	3,800	3,200	37,000	12,100	24,900	7,500	5,200	2,300
Life and related sciences	164,100	75,400	55,400	9,200	10,800	58,600	27,500	31,100	30,200	15,200	15,000
Agricultural and food sciences	30,100	17,000	12,500	3,400	1,100	9,200	5,800	3,500	3,800	1,800	1,900
Biological sciences	116,200	49,400	35,900	5,300	8,100	45,900	20,100	25,800	20,900	10,600	10,300
Environmental life sciences	17,900	9,000	7,000	400	1,600	3,400	1,600	1,800	5,500	2,800	2,800
Physical and related sciences	109,200	67,300	58,800	6,300	2,200	25,600	14,500	11,100	16,200	11,000	5,200
Chemistry, except biochemistry	37,400	24,600	22,200	1,100	1,400	9,400	4,900	4,500	3,400	1,800	1,600
Earth science, geology, and oceanography	34,200	21,400	18,800	2,400	S	7,100	3,500	3,600	5,700	3,100	2,600
Physics and astronomy	32,500	19,600	16,300	2,900	400	8,400	5,600	2,800	4,500	4,300	S
Other	5,100	1,800	1,600	S	S	800	S	200	2,500	1,700	800
Social and related sciences	499,800	248,000	150,200	36,500	61,300	165,600	48,400	117,200	86,200	21,400	64,800
Economics	43,700	28,300	23,800	2,500	2,000	7,800	4,300	3,500	7,600	3,500	4,100
Political and related sciences	67,400	40,700	27,700	5,600	7,500	13,500	7,700	5,800	13,200	6,600	6,600
Psychology	276,100	128,900	68,300	22,200	38,300	104,600	19,800	84,800	42,600	5,600	37,000
Sociology and anthropology	44,400	19,400	12,600	1,800	5,000	15,000	8,500	6,500	10,000	2,300	7,700
Other	68,100	30,700	17,800	4,400	8,500	24,700	8,100	16,600	12,700	3,400	9,400
Engineering	450,800	369,000	345,500	14,800	8,700	25,100	21,900	3,100	56,700	35,600	21,100
Aerospace and related engineering ..	17,800	13,700	12,400	S	700	1,100	900	S	3,000	2,500	S
Chemical engineering	22,000	19,800	19,100	S	300	700	600	S	1,600	1,000	600
Civil and architectural engineering ...	73,300	52,300	46,300	4,500	1,400	3,000	2,700	S	18,100	5,800	12,200
Electrical and related engineering	151,300	130,700	125,200	3,400	2,000	8,600	8,100	S	12,100	10,200	1,900
Industrial engineering	23,500	19,100	17,200	S	1,200	1,500	1,100	S	2,900	2,100	800
Mechanical engineering	68,300	59,200	56,700	1,500	900	4,000	3,100	900	5,100	4,000	1,000
Other	94,600	74,300	68,500	3,600	2,200	6,200	5,300	900	14,100	9,900	4,200

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-13.

Employed individuals with S&E highest degree, by highest degree attained, field of highest degree, and employment sector: 1999

Field of highest degree	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/university	Other	Total	Federal	State/local
							Doctorate				
All S&E degree fields	614,600	274,700	211,300	33,600	29,900	283,000	261,200	21,800	56,800	40,100	16,700
Sciences	509,000	207,300	150,000	30,700	26,700	253,000	232,300	20,700	48,700	33,200	15,400
Computer and math sciences	40,600	15,800	14,200	800	800	22,400	21,500	900	2,300	2,000	400
Computer and information sciences	12,100	6,600	6,100	300	200	4,500	4,400	100	1,000	800	200
Mathematical sciences	28,500	9,200	8,100	500	600	17,900	17,100	800	1,300	1,200	200
Life and related sciences	176,200	62,400	46,600	6,500	9,200	96,600	90,500	6,100	17,200	13,100	4,100
Agricultural and food sciences	18,100	7,700	6,300	800	600	8,500	8,000	600	1,900	1,400	400
Biological sciences	153,100	53,300	39,200	5,700	8,400	86,100	80,700	5,400	13,700	10,600	3,100
Environmental life sciences	5,000	1,400	1,100	100	200	2,000	1,900	200	1,600	1,000	600
Physical and related sciences	125,700	65,600	58,500	3,000	4,100	47,500	43,300	4,200	12,700	10,500	2,200
Chemistry, except biochemistry	63,600	40,000	36,800	1,500	1,700	19,500	17,600	2,000	4,100	3,000	1,100
Earth science, geology, and oceanography	16,500	4,600	3,600	500	500	9,000	8,100	900	2,900	2,300	500
Physics and astronomy	43,800	20,300	17,500	900	1,800	18,200	17,000	1,300	5,400	4,900	400
Other	1,800	700	500	S	S	700	700	S	400	300	100
Social and related sciences	166,400	63,500	30,600	20,400	12,500	86,500	77,000	9,400	16,400	7,700	8,800
Economics	22,500	7,200	5,400	1,000	800	12,900	12,600	300	2,500	2,000	500
Political and related sciences	16,700	3,300	1,700	800	800	11,700	10,900	800	1,600	900	800
Psychology	88,800	44,000	19,000	16,700	8,300	35,500	29,400	6,100	9,300	3,200	6,000
Sociology and anthropology	23,100	4,800	2,100	1,000	1,700	16,300	14,900	1,400	2,000	1,000	1,000
Other	15,300	4,200	2,300	1,000	900	10,100	9,200	900	1,000	500	500
Engineering	105,600	67,400	61,300	2,900	3,200	30,100	28,900	1,100	8,100	6,900	1,200
Aerospace and related engineering ..	4,900	2,900	2,500	200	200	1,400	1,300	S	600	600	S
Chemical engineering	13,600	10,500	9,800	400	400	2,500	2,400	S	600	600	S
Civil and architectural engineering ...	9,900	4,800	4,000	300	400	3,700	3,400	300	1,400	800	600
Electrical and related engineering	28,300	19,500	17,900	800	800	7,300	7,100	200	1,500	1,400	S
Industrial engineering	3,300	1,700	1,600	S	S	1,400	1,300	S	200	200	S
Mechanical engineering	13,500	8,800	8,000	300	500	4,100	4,000	S	600	600	S
Other	32,100	19,200	17,500	800	900	9,700	9,300	400	3,100	2,700	500

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Appendix table 3-14.

Individuals employed in S&E occupations, by highest degree attained, broad occupation category, and employment sector: 1999

Occupation	Employed S&Es, total	Business/industry			Educational			Government		
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/ university	Other	Total	Federal
				All degree levels ^a						
All S&E occupations										
Scientists	2,170,500	1,373,600	1,197,400	80,200	96,000	541,800	434,200	107,600	255,100	137,300
Computer and math scientists	1,167,400	943,800	886,800	21,500	35,600	132,200	95,000	37,300	91,300	52,600
Life and related scientists	341,900	113,400	92,600	8,000	12,800	163,300	148,900	14,400	65,300	36,700
Physical and related scientists	297,900	161,200	148,800	6,300	6,100	82,400	73,200	9,100	54,300	31,300
Social and related scientists	363,400	155,200	69,200	44,500	41,600	163,900	117,100	46,800	44,300	16,600
Engineers	1,370,300	1,108,800	1,065,900	25,000	18,000	66,700	62,100	4,500	194,800	103,800
Bachelor's										
All S&E occupations	1,994,400	1,555,000	1,465,300	37,200	52,500	171,800	142,500	29,300	267,600	130,200
Scientists	1,087,100	802,300	738,000	22,000	42,300	150,400	123,500	26,900	134,300	66,100
Computer and math scientists	740,500	630,000	592,300	13,300	24,400	51,000	36,100	14,900	59,500	31,900
Life and related scientists	135,500	55,600	47,500	3,800	4,300	47,300	43,000	4,300	32,500	15,900
Physical and related scientists	139,600	87,200	82,400	2,800	2,000	22,300	21,200	1,100	30,200	14,000
Social and related scientists	71,400	29,600	15,800	2,200	11,600	29,800	23,100	6,700	12,100	4,300
Engineers	907,400	752,700	727,200	15,200	10,300	21,400	19,000	2,400	133,300	64,100
Master's										
All S&E occupations	1,032,100	719,400	639,100	41,200	39,100	178,400	111,800	66,600	134,300	75,500
Scientists	655,500	415,600	348,300	33,300	34,000	159,200	94,100	65,100	80,800	42,500
Computer and math scientists	354,100	276,400	260,300	7,000	9,000	50,200	29,900	20,300	27,600	17,800
Life and related scientists	72,500	25,000	19,100	2,100	3,900	27,800	20,900	6,900	19,700	9,800
Physical and related scientists	73,000	40,100	36,200	2,300	1,600	19,400	14,200	5,200	13,500	8,200
Social and related scientists	155,900	74,100	32,700	21,900	19,400	61,800	29,100	32,700	20,000	6,700
Engineers	376,500	303,800	290,800	7,900	5,100	19,200	17,700	1,500	53,500	33,000
Doctorate										
All S&E occupations	484,100	195,000	150,000	24,700	20,300	244,300	229,900	14,400	44,800	32,900
Scientists	399,900	144,000	103,200	23,000	17,700	218,300	204,400	13,800	37,700	26,900
Computer and math scientists	67,100	32,600	29,400	1,100	2,000	30,700	28,700	2,000	3,800	2,700
Life and related scientists	121,100	30,400	24,200	1,900	4,300	78,500	75,600	2,900	12,200	10,200
Physical and related scientists	84,900	33,800	30,200	1,100	2,500	40,600	37,800	2,800	10,400	8,800
Social and related scientists	126,900	47,100	19,300	18,800	8,900	68,500	62,300	6,100	11,300	5,200
Engineers	84,200	51,000	46,700	1,700	2,500	26,100	25,500	600	7,100	5,900

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Science & Engineering Indicators – 2002

Appendix table 3-15.

Individuals employed in S&E occupations, by highest degree attained, broad occupation category, and employment sector: 1997

Occupation	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/ university	Other	Total	Federal	State/ local
		All degree levels ^a									
All S&E occupations	3,369,400	2,343,600	2,126,400	110,100	107,000	586,700	475,700	111,000	439,100	250,600	188,600
Scientists	1,995,100	1,236,900	1,066,000	81,000	89,800	512,700	409,100	103,600	245,500	139,600	105,900
Computer and math scientists	1,039,500	828,900	771,800	25,100	32,000	121,200	88,200	33,000	89,400	53,300	36,100
Life and related scientists	321,800	102,700	81,400	8,000	13,300	154,500	139,100	15,400	64,600	37,900	26,700
Physical and related scientists	284,900	156,100	144,800	6,200	5,100	80,000	71,100	8,900	48,700	30,500	18,200
Social and related scientists	349,000	149,200	68,000	41,700	39,400	157,000	110,600	46,400	42,800	17,900	24,900
Engineers	1,374,400	1,106,700	1,060,400	29,100	17,200	74,000	66,700	7,400	193,600	110,900	82,700
Bachelor's											
All S&E occupations	1,917,600	1,498,100	1,403,300	47,300	47,500	156,300	130,700	25,600	263,300	141,000	122,300
Scientists	1,000,800	740,200	672,200	29,500	38,500	131,700	110,200	21,600	128,900	69,200	59,700
Computer and math scientists	675,400	571,800	531,600	18,600	21,600	41,700	31,100	10,600	61,900	35,500	26,400
Life and related scientists	125,200	49,300	40,400	4,700	4,200	41,200	36,600	4,600	34,700	18,500	16,200
Physical and related scientists	131,700	87,300	81,800	3,600	1,900	21,900	20,600	1,300	22,400	11,100	11,300
Social and related scientists	68,500	31,800	18,400	2,700	10,700	26,800	21,700	5,100	9,900	4,100	5,800
Engineers	916,900	757,900	731,100	17,800	9,100	24,600	20,600	4,000	134,400	71,800	62,600
Master's											
All S&E occupations	967,900	657,200	580,800	39,100	37,300	182,500	113,300	69,200	128,200	74,600	53,600
Scientists	592,000	357,100	296,400	29,400	31,400	158,800	92,700	66,100	76,100	41,500	34,600
Computer and math scientists	301,600	228,400	214,300	5,600	8,500	49,500	29,500	20,000	23,700	15,200	8,500
Life and related scientists	70,300	22,500	18,000	1,500	3,000	31,100	23,500	7,600	16,600	8,400	8,200
Physical and related scientists	69,100	35,600	33,300	1,200	1,100	18,400	13,200	5,200	15,200	9,600	5,600
Social and related scientists	151,100	70,700	30,800	21,100	18,800	59,800	26,500	33,300	20,600	8,300	12,300
Engineers	375,900	300,100	284,400	9,700	5,900	23,700	20,600	3,100	52,100	33,000	19,000
Doctorate											
All S&E occupations	454,700	174,500	134,600	21,200	18,700	235,600	220,900	14,700	44,600	32,800	11,800
Scientists	375,300	127,200	91,200	19,600	16,400	209,900	195,400	14,500	38,100	27,300	10,800
Computer and math scientists	59,000	25,600	22,700	1,000	1,800	29,600	27,400	2,200	3,800	2,600	1,200
Life and related scientists	111,800	27,200	20,800	1,300	5,000	72,500	69,500	3,000	12,200	9,900	2,200
Physical and related scientists	83,700	33,100	29,700	1,300	2,100	39,700	37,300	2,400	10,800	9,500	1,300
Social and related scientists	120,800	41,400	18,000	16,000	7,400	68,000	61,200	6,800	11,400	5,300	6,100
Engineers	79,400	47,200	43,400	1,600	2,200	25,700	25,500	300	6,500	5,500	1,000

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1997.

Science & Engineering Indicators – 2002

Appendix table 3-16.

Individuals employed in S&E occupations, by highest degree attained, broad occupation category, and employment sector: 1995

Occupation	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/ university	Other	Total	Federal	State/ local
All degree levels^a											
All S&E occupations	3,369,400	2,343,600	2,126,400	110,100	107,000	586,700	475,700	111,000	439,100	250,600	188,600
Scientists	1,995,100	1,236,900	1,066,000	81,000	89,800	512,700	409,100	103,600	245,500	139,600	105,900
Computer and math scientists	1,039,500	828,900	771,800	25,100	32,000	121,200	88,200	33,000	89,400	53,300	36,100
Life and related scientists	321,800	102,700	81,400	8,000	13,300	154,500	139,100	15,400	64,600	37,900	26,700
Physical and related scientists	284,900	156,100	144,800	6,200	5,100	80,000	71,100	8,900	48,700	30,500	18,200
Social and related scientists	349,000	149,200	68,000	41,700	39,400	157,000	110,600	46,400	42,800	17,900	24,900
Engineers	1,374,400	1,106,700	1,060,400	29,100	17,200	74,000	66,700	7,400	193,600	110,900	82,700
Bachelor's											
All S&E occupations	1,917,600	1,498,100	1,403,300	47,300	47,500	156,300	130,700	25,600	263,300	141,000	122,300
Scientists	1,000,800	740,200	672,200	29,500	38,500	131,700	110,200	21,600	128,900	69,200	59,700
Computer and math scientists	675,400	571,800	531,600	18,600	21,600	41,700	31,100	10,600	61,900	35,500	26,400
Life and related scientists	125,200	49,300	40,400	4,700	4,200	41,200	36,600	4,600	34,700	18,500	16,200
Physical and related scientists	131,700	87,300	81,800	3,600	1,900	21,900	20,600	1,300	22,400	11,100	11,300
Social and related scientists	68,500	31,800	18,400	2,700	10,700	26,800	21,700	5,100	9,900	4,100	5,800
Engineers	916,900	757,900	731,100	17,800	9,100	24,600	20,600	4,000	134,400	71,800	62,600
Master's											
All S&E occupations	967,900	657,200	580,800	39,100	37,300	182,500	113,300	69,200	128,200	74,600	53,600
Scientists	592,000	357,100	296,400	29,400	31,400	158,800	92,700	66,100	76,100	41,500	34,600
Computer and math scientists	301,600	228,400	214,300	5,600	8,500	49,500	29,500	20,000	23,700	15,200	8,500
Life and related scientists	70,300	22,500	18,000	1,500	3,000	31,100	23,500	7,600	16,600	8,400	8,200
Physical and related scientists	69,100	35,600	33,300	1,200	1,100	18,400	13,200	5,200	15,200	9,600	5,600
Social and related scientists	151,100	70,700	30,800	21,100	18,800	59,800	26,500	33,300	20,600	8,300	12,300
Engineers	375,900	300,100	284,400	9,700	5,900	23,700	20,600	3,100	52,100	33,000	19,000
Doctorate											
All S&E occupations	454,700	174,500	134,600	21,200	18,700	235,600	220,900	14,700	44,600	32,800	11,800
Scientists	375,300	127,200	91,200	19,600	16,400	209,900	195,400	14,500	38,100	27,300	10,800
Computer and math scientists	59,000	25,600	22,700	1,000	1,800	29,600	27,400	2,200	3,800	2,600	1,200
Life and related scientists	111,800	27,200	20,800	1,300	5,000	72,500	69,500	3,000	12,200	9,900	2,200
Physical and related scientists	83,700	33,100	29,700	1,300	2,100	39,700	37,300	2,400	10,800	9,500	1,300
Social and related scientists	120,800	41,400	18,000	16,000	7,400	68,000	61,200	6,800	11,400	5,300	6,100
Engineers	79,400	47,200	43,400	1,600	2,200	25,700	25,500	300	6,500	5,500	1,000

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1995.

Science & Engineering Indicators – 2002

Appendix table 3-17.

Individuals employed in S&E occupations, by highest degree attained, broad occupation category, and employment sector: 1993

Occupation	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/university	Other	Total	Federal	State/local
All degree levels^a											
All S&E occupations	3,185,600	2,175,100	1,970,300	113,800	91,000	566,300	453,900	112,500	444,100	252,400	191,700
Scientists	1,846,600	1,112,900	955,000	80,000	77,900	492,100	387,500	104,600	241,600	135,800	105,800
Computer and math scientists	949,500	734,400	683,200	23,600	27,600	123,900	88,200	35,700	91,100	53,300	37,900
Life and related scientists	305,300	94,000	75,600	7,400	11,000	149,000	133,200	15,800	62,300	37,700	24,600
Physical and related scientists	274,300	150,700	138,600	6,500	5,600	79,600	70,300	9,300	44,000	27,600	16,400
Social and related scientists	317,500	133,900	57,600	42,600	33,700	139,500	95,800	43,700	44,200	17,100	27,000
Engineers	1,339,000	1,062,200	1,015,300	33,800	13,200	74,300	66,400	7,900	202,500	116,600	85,9000
Bachelor's											
All S&E occupations	1,849,300	1,416,500	1,325,800	49,300	41,400	152,700	123,100	29,600	280,000	150,800	129,300
Scientists	940,400	678,700	617,800	25,900	35,100	128,200	101,700	26,500	133,500	70,800	62,700
Computer and math scientists	627,300	520,100	484,200	16,400	19,600	45,800	31,900	13,900	61,400	35,000	26,400
Life and related scientists	122,200	46,900	39,000	3,600	4,300	41,300	35,900	5,400	33,900	17,100	16,800
Physical and related scientists	128,800	84,000	78,700	3,100	2,200	20,600	18,400	2,200	24,300	13,000	11,200
Social and related scientists	62,000	27,600	15,900	2,800	9,000	20,500	15,500	5,000	13,900	5,700	8,300
Engineers	908,900	737,800	708,000	23,400	6,300	24,600	21,400	3,100	146,500	80,000	66,500
Master's											
All S&E occupations	893,200	596,700	525,500	39,500	31,700	173,100	106,200	66,900	123,300	71,300	52,100
Scientists	533,900	312,900	255,000	31,400	26,500	148,300	85,500	62,700	72,700	39,200	33,500
Computer and math scientists	267,900	191,800	179,200	6,200	6,400	49,900	30,100	19,900	26,100	15,600	10,600
Life and related scientists	63,800	21,200	17,000	2,100	2,200	26,100	18,900	7,200	16,500	10,600	5,900
Physical and related scientists	67,200	35,800	32,700	2,100	1,000	19,600	14,500	5,100	11,800	7,400	4,400
Social and related scientists	135,000	64,200	26,100	21,000	17,000	52,600	22,000	30,500	18,300	5,600	12,600
Engineers	359,300	283,800	270,500	8,100	5,200	24,800	20,700	4,200	50,600	32,100	18,600
Doctorate											
All S&E occupations	412,100	150,100	111,500	22,700	15,900	225,200	211,700	13,500	36,800	27,600	9,200
Scientists	343,600	111,300	76,400	20,600	14,300	200,300	187,500	12,900	32,000	23,500	8,500
Computer and math scientists	51,200	19,800	17,100	1,000	1,600	28,100	26,100	2,000	3,300	2,500	900
Life and related scientists	102,100	22,800	17,600	1,300	3,900	69,500	67,100	2,400	9,900	8,300	1,600
Physical and related scientists	78,100	30,900	27,100	1,300	2,500	39,400	37,400	1,900	7,800	7,100	700
Social and related scientists	112,200	37,800	14,600	16,900	6,300	63,400	56,900	6,500	10,900	5,600	5,400
Engineers	68,500	38,900	35,100	2,100	1,700	24,900	24,300	600	4,800	4,100	700

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993.

Science & Engineering Indicators – 2002

Appendix table 3-18.

Individuals with S&E highest degrees, by highest degree attained, broad field of highest degree, and employment sector: 1999

Field of highest degree	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/university	Other	Total	Federal	State/local
		All degree levels ^a									
All S&E degree fields	7,980,100	5,545,400	4,657,400	432,300	455,700	1,379,100	701,700	677,400	1,055,600	450,600	605,000
Sciences	6,043,700	3,945,200	3,167,800	353,400	423,900	1,279,100	621,000	658,200	819,400	319,200	500,200
Computer and math sciences	1,045,800	804,100	732,600	37,000	34,600	164,100	66,600	97,500	77,600	46,600	31,000
Life and related sciences	1,287,700	768,700	603,900	78,400	86,500	345,200	219,700	125,500	173,800	78,800	95,000
Physical and related sciences	621,700	414,500	366,100	30,000	18,400	130,900	90,700	40,200	76,300	43,000	33,300
Social and related sciences	3,088,400	1,957,800	1,465,300	208,100	284,400	638,900	243,900	394,900	491,700	150,700	341,000
Engineering	1,936,400	1,600,300	1,489,600	78,900	31,700	100,000	80,800	19,200	236,200	131,400	104,800
Bachelor's											
All S&E degree fields	5,866,100	4,312,700	3,654,300	323,800	334,500	762,800	305,400	457,300	790,700	314,100	476,500
Sciences	4,486,100	3,148,800	2,571,400	262,600	314,800	718,000	275,500	442,400	619,400	225,300	394,100
Computer and math sciences	742,700	595,500	539,600	29,100	26,800	89,100	23,700	65,400	58,000	32,300	25,700
Life and related sciences	947,000	631,000	501,800	62,600	66,500	190,000	101,700	88,200	126,100	50,200	75,800
Physical and related sciences	380,900	278,700	246,000	20,700	12,000	55,600	32,700	22,900	46,600	21,000	25,600
Social and related sciences	2,415,500	1,643,600	1,284,000	150,100	209,500	383,300	117,400	265,900	388,600	121,700	267,000
Engineering	1,380,000	1,163,900	1,082,800	61,300	19,800	44,800	29,900	14,900	171,300	88,900	82,400
Master's											
All S&E degree fields	1,491,200	954,600	790,600	73,900	90,100	329,600	133,900	195,700	207,000	95,700	111,300
Sciences	1,040,400	585,600	445,100	59,100	81,400	304,500	111,900	192,600	150,200	60,100	90,100
Computer and math sciences	262,600	192,700	178,700	7,100	6,900	52,600	21,400	31,200	17,200	12,300	4,900
Life and related sciences	164,100	75,400	55,400	9,200	10,800	58,600	27,500	31,100	30,200	15,200	15,000
Physical and related sciences	113,900	69,400	60,800	6,300	2,300	27,800	14,600	13,100	16,700	11,200	5,500
Social and related sciences	499,800	248,000	150,200	36,500	61,300	165,600	48,400	117,200	86,200	21,400	64,800
Engineering	450,800	369,000	345,500	14,800	8,700	25,100	21,900	3,100	56,700	35,600	21,100
Doctorate											
All S&E degree fields	614,600	274,700	211,300	33,600	29,900	283,000	261,200	21,800	56,800	40,100	16,700
Sciences	509,000	207,300	150,000	30,700	26,700	253,000	232,300	20,700	48,700	33,200	15,400
Computer and math sciences	40,600	15,800	14,200	800	800	22,400	21,500	900	2,300	2,000	400
Life and related sciences	176,200	62,400	46,600	6,500	9,200	96,600	90,500	6,100	17,200	13,100	4,100
Physical and related sciences	125,900	65,700	58,600	3,000	4,100	47,500	43,300	4,200	12,700	10,600	2,200
Social and related sciences	166,400	63,500	30,600	20,400	12,500	86,500	77,000	9,400	16,400	7,700	8,800
Engineering	105,600	67,400	61,300	2,900	3,200	30,100	28,900	1,100	8,100	6,900	1,200

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Science & Engineering Indicators – 2002

Appendix table 3-19.

Individuals with S&E highest degrees, by highest degree attained, broad field of highest degree, and employment sector: 1997

Field of highest degree	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/university	Other	Total	Federal	State/local
		All degree levels ^a									
All S&E degree fields	7,706,800	5,330,600	4,488,300	436,200	406,100	1,346,900	684,100	662,800	1,029,200	451,500	577,800
Sciences	5,797,300	3,768,700	3,034,400	356,200	378,200	1,243,400	600,900	642,500	785,200	312,100	473,100
Computer and math sciences	1,003,100	755,900	689,700	33,400	32,900	165,300	65,700	99,600	81,900	47,700	34,100
Life and related sciences	1,204,800	720,700	558,300	91,400	71,000	325,800	202,800	123,000	158,400	69,000	89,400
Physical and related sciences	619,700	417,300	366,700	31,800	18,800	128,700	90,100	38,600	73,700	44,400	29,400
Social and related sciences	2,969,700	1,874,800	1,419,700	199,700	255,500	623,700	242,300	381,300	471,200	151,000	320,100
Engineering	1,909,500	1,562,000	1,454,000	80,100	27,900	103,500	83,200	20,300	244,100	139,300	104,700
Bachelor's											
All S&E degree fields	5,686,200	4,178,200	3,555,300	334,000	288,900	737,300	294,800	442,400	770,700	313,000	457,700
Sciences	4,305,500	3,022,300	2,480,700	269,500	272,100	691,800	264,900	426,900	591,400	216,700	374,700
Computer and math sciences	721,600	568,700	516,600	27,100	24,900	90,400	26,300	64,100	62,500	33,700	28,800
Life and related sciences	884,500	593,100	461,000	77,400	54,600	176,900	89,100	87,800	114,500	42,800	71,800
Physical and related sciences	382,400	283,600	249,600	21,700	12,300	54,900	33,200	21,700	43,900	21,800	22,100
Social and related sciences	2,317,100	1,576,900	1,253,400	143,300	180,300	369,600	116,300	253,300	370,500	118,400	252,100
Engineering	1,380,700	1,155,900	1,074,600	64,500	16,800	45,500	29,900	15,600	179,300	96,400	83,000
Master's											
All S&E degree fields	1,432,800	898,500	738,700	72,700	87,000	333,500	133,600	199,900	200,900	97,600	103,200
Sciences	1,002,200	552,900	415,100	59,300	78,500	305,300	109,400	195,900	144,000	61,100	82,900
Computer and math sciences	244,700	174,100	161,600	5,700	6,900	52,800	18,400	34,400	17,700	12,500	5,200
Life and related sciences	156,700	72,900	56,300	8,900	7,700	57,400	27,800	29,600	26,400	13,200	13,200
Physical and related sciences	114,500	70,600	61,400	6,700	2,500	27,500	14,100	13,400	16,400	11,300	5,200
Social and related sciences	486,200	235,300	135,900	38,000	61,400	167,500	49,100	118,500	83,400	24,100	59,300
Engineering	430,600	345,600	323,700	13,400	8,500	28,200	24,200	4,000	56,900	36,500	20,400
Doctorate											
All S&E degree fields	580,300	250,100	192,800	28,000	29,200	273,300	254,500	18,800	56,900	40,300	16,500
Sciences	482,000	189,600	137,200	25,900	26,500	243,500	225,400	18,100	49,000	33,900	15,100
Computer and math sciences	36,900	13,100	11,500	600	1,000	22,100	21,000	1,100	1,600	1,500	100
Life and related sciences	162,500	54,200	40,500	5,100	8,700	91,100	85,500	5,600	17,100	12,700	4,400
Physical and related sciences	122,200	62,700	55,400	3,300	4,000	46,200	42,700	3,500	13,300	11,200	2,100
Social and related sciences	160,500	59,500	29,800	16,900	12,800	84,000	76,100	7,900	16,900	8,500	8,500
Engineering	98,200	60,500	55,700	2,200	2,700	29,800	29,100	700	7,900	6,500	1,400

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1997.

Appendix table 3-20.

Individuals with S&E highest degrees, by highest degree attained, broad field of highest degree, and employment sector: 1995

Field of highest degree	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/university	Other	Total	Federal	State/local
All degree levels^a											
All S&E degree fields	7,347,200	5,045,700	4,226,800	452,500	366,400	1,259,600	644,500	615,100	1,042,000	456,300	585,700
Sciences	5,489,200	3,548,300	2,847,100	361,800	339,300	1,150,200	559,100	591,100	790,800	313,300	477,400
Computer and math sciences	955,500	710,300	644,300	37,900	28,200	158,900	67,700	91,300	86,200	46,400	39,900
Life and related sciences	1,127,900	679,700	528,500	92,100	59,100	294,500	187,900	106,600	153,600	68,200	85,500
Physical and related sciences	606,200	399,800	352,600	30,600	16,600	129,400	91,100	38,300	77,000	46,100	30,900
Social and related sciences	2,799,600	1,758,400	1,321,700	201,200	235,500	567,300	212,400	354,900	473,900	152,700	321,200
Engineering	1,858,000	1,497,400	1,379,700	90,700	27,000	109,400	85,400	24,000	251,200	143,000	108,200
Bachelor's											
All S&E degree fields	5,424,000	3,968,100	3,366,200	343,800	258,000	669,400	266,400	402,900	786,600	321,100	465,600
Sciences	4,061,600	2,845,300	2,333,500	270,500	241,200	620,900	235,400	385,500	595,500	218,300	377,200
Computer and math sciences	688,800	542,500	493,300	28,700	20,600	82,300	25,600	56,800	63,900	30,400	33,500
Life and related sciences	821,000	556,500	434,200	79,000	43,300	154,000	79,600	74,400	110,500	41,900	68,600
Physical and related sciences	375,300	273,600	241,100	22,000	10,500	52,800	30,700	22,100	48,900	25,000	23,900
Social and related sciences	2,176,500	1,472,700	1,164,900	140,900	166,900	331,700	99,500	232,200	372,100	121,000	251,100
Engineering	1,362,400	1,122,800	1,032,700	73,300	16,800	48,500	31,000	17,400	191,100	102,700	88,400
Master's											
All S&E degree fields	1,364,100	841,800	684,300	75,900	81,600	320,400	127,800	192,600	201,900	97,300	104,600
Sciences	957,400	520,200	385,100	61,200	73,900	289,500	102,300	187,100	147,800	62,200	85,500
Computer and math sciences	231,200	156,200	141,000	8,500	6,700	54,500	21,200	33,300	20,500	14,500	6,100
Life and related sciences	149,900	70,600	54,600	7,600	8,300	52,800	25,000	27,800	26,500	13,700	12,800
Physical and related sciences	112,400	66,600	59,500	5,300	1,800	28,600	15,200	13,300	17,300	11,700	5,600
Social and related sciences	463,900	226,800	130,000	39,800	57,000	153,600	40,900	112,700	83,500	22,400	61,000
Engineering	406,600	321,600	299,200	14,700	7,700	30,900	25,400	5,500	54,100	35,000	19,100
Doctorate											
All S&E degree fields	551,300	232,200	175,000	31,200	25,900	266,500	248,800	17,800	52,600	37,600	15,000
Sciences	462,300	179,200	127,300	28,500	23,400	236,500	219,900	16,700	46,600	32,400	14,200
Computer and math sciences	35,400	11,500	10,000	700	900	22,100	21,000	1,200	1,700	1,500	200
Life and related sciences	155,900	52,200	39,200	5,500	7,500	87,400	83,000	4,400	16,300	12,300	4,000
Physical and related sciences	118,100	59,300	51,700	3,300	4,300	48,000	45,000	3,000	10,800	9,400	1,400
Social and related sciences	152,900	56,100	26,400	19,000	10,700	79,100	70,900	8,200	17,800	9,200	8,600
Engineering	89,000	53,000	47,800	2,700	2,500	30,000	28,900	1,100	6,000	5,200	800

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1995.

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Appendix table 3-21.
Employed individuals with S&E highest degrees, by highest degree attained, broad field of highest degree, and employment sector: 1993

Field of highest degree	Employed S&Es, total	Business/industry			Educational			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/university	Other	Total	Federal	State/local
All degree levels^a											
All S&E degree fields	7,035,800	4,833,700	4,032,200	437,700	363,800	1,181,000	641,400	539,700	1,021,100	482,100	539,000
Sciences	5,202,100	3,372,800	2,689,300	346,700	336,900	1,073,100	554,200	518,900	756,200	321,600	434,600
Computer and math sciences	918,000	677,800	615,900	30,100	31,800	150,800	65,500	85,300	89,400	54,700	34,700
Life and related sciences	1,073,100	643,900	492,800	88,100	63,000	280,200	186,600	93,600	149,000	69,500	79,500
Physical and related sciences	599,800	391,100	343,600	32,500	15,100	129,200	93,100	36,100	79,400	49,200	30,200
Social and related sciences	2,611,200	1,660,000	1,237,100	196,000	226,900	512,800	208,900	303,900	438,400	148,200	290,200
Engineering	1,833,700	1,460,900	1,342,900	91,000	27,000	108,000	87,200	20,800	264,800	160,500	104,400
Bachelor's											
All S&E degree fields	5,172,600	3,806,800	3,219,000	336,000	251,800	598,600	263,200	335,300	767,200	338,200	429,100
Sciences	3,814,400	2,698,700	2,200,700	263,100	234,900	550,700	231,400	319,400	564,900	221,900	343,000
Computer and math sciences	663,800	521,200	474,800	23,000	23,400	75,700	24,800	50,800	66,900	38,100	28,800
Life and related sciences	773,600	526,400	404,800	74,100	47,400	138,800	79,200	59,600	108,300	44,200	64,100
Physical and related sciences	372,500	269,900	236,100	25,200	8,600	52,600	31,600	21,100	50,100	28,100	22,000
Social and related sciences	2,004,400	1,381,200	1,084,900	140,800	155,500	283,600	95,700	187,900	339,600	111,500	228,100
Engineering	1,358,300	1,108,100	1,018,300	72,900	16,900	47,800	31,900	16,000	202,300	116,200	86,100
Master's											
All S&E degree fields	1,328,400	798,300	645,600	68,600	84,000	328,100	138,000	190,100	202,000	106,900	95,100
Sciences	937,700	495,900	365,600	53,700	76,600	296,300	110,500	185,800	145,500	67,700	77,800
Computer and math sciences	221,400	145,900	131,700	6,500	7,600	54,300	20,500	33,800	21,200	15,500	5,700
Life and related sciences	151,000	67,100	50,900	8,400	7,800	59,900	28,900	31,000	24,000	12,500	11,500
Physical and related sciences	111,300	62,700	56,300	4,300	2,100	30,000	17,200	12,800	18,600	11,900	6,600
Social and related sciences	453,900	220,100	126,600	34,600	59,000	152,000	43,900	108,200	81,800	27,800	54,000
Engineering	390,700	302,400	280,000	14,900	7,500	31,800	27,500	4,300	56,500	39,200	17,300
Doctorate											
All S&E degree fields	529,200	225,900	166,900	31,800	27,300	252,000	239,500	12,500	51,300	36,700	14,600
Sciences	444,500	175,600	122,300	28,600	24,600	223,700	211,700	12,000	45,300	31,700	13,500
Computer and math sciences	32,800	10,700	9,300	600	700	20,900	20,200	700	1,300	1,100	200
Life and related sciences	148,500	50,300	37,000	5,600	7,800	81,500	78,500	3,000	16,700	12,700	4,000
Physical and related sciences	115,900	58,500	51,200	3,000	4,400	46,600	44,400	2,200	10,800	9,200	1,600
Social and related sciences	147,300	56,000	24,800	19,500	11,700	74,800	68,700	6,100	16,500	8,700	7,800
Engineering	84,700	50,400	44,500	3,200	2,600	28,300	27,800	500	6,000	5,000	1,000

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993.

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Appendix table 3-22.

Median annual salaries of U.S. individuals in S&E occupations, by occupation and highest degree attained: 1999
(Dollars)

Occupation	Employed S&Es, total	Highest degree			
		Bachelor's	Master's	Doctorate	Professional
S&E occupations	60,000	59,000	64,000	68,000	73,000
Scientists	58,800	55,000	60,000	65,000	79,000
Computer and math scientists	64,000	60,800	68,000	71,200	60,000
Computer and information scientists	65,000	61,000	70,000	81,000	62,000
Mathematical scientists	61,700	56,000	60,000	74,400	S
Postsecondary teachers	48,000	30,000	41,000	60,000	S
Life and related scientists	47,700	37,000	43,800	62,000	123,000
Agriculture and food scientists	45,000	41,500	42,500	64,000	S
Biological scientists	44,000	36,000	44,000	61,300	103,000
Environmental life scientists	46,000	44,700	50,000	61,000	S
Postsecondary teachers	56,100	28,700	42,000	62,000	130,000
Physical and related scientists	52,000	45,000	52,000	70,000	S
Chemistry, except biochemistry	51,000	45,000	52,000	75,000	S
Earth scientists, geologists, and oceanographers	53,000	49,000	55,000	72,000	S
Physicists and astronomers	72,000	50,000	73,700	80,000	S
Other physical and related scientists	42,000	40,000	43,000	68,800	S
Postsecondary teachers	51,000	15,000	38,000	59,600	S
Social and related scientists	47,000	30,000	41,000	60,000	57,000
Economists	67,000	53,000	70,000	92,000	S
Political and related scientists	36,000	35,000	33,000	65,000	S
Psychologists	43,200	26,500	40,000	60,000	57,000
Sociologists and anthropologists	38,000	28,000	39,000	56,000	S
Other social and related scientists	45,000	31,000	42,000	62,000	S
Postsecondary teachers	51,500	S	36,000	55,000	56,000
Engineers	65,000	60,000	70,000	79,000	65,000
Aerospace and related engineers	71,000	69,400	75,000	83,600	S
Chemical engineers	71,900	65,000	80,000	80,000	S
Civil and architectural engineers	58,000	55,300	65,000	68,900	S
Electrical and related engineers	70,000	65,000	75,000	86,000	63,000
Industrial engineers	57,000	55,000	60,200	84,800	S
Mechanical engineers	62,400	60,000	68,000	75,000	S
Other engineers	65,000	60,600	69,400	77,000	S
Postsecondary teachers	64,000	39,000	52,000	72,800	S

S = suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

See text table 3-6 and figure 3-12 in Volume 1.

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Appendix table 3-23.

Median annual salaries of U.S. individuals in S&E occupations, by occupation and highest degree attained: 1997
(Dollars)

Occupation	Employed S&Es, total	Highest degree			
		Bachelor's	Master's	Doctorate	Professional
S&E occupations	55,000	52,000	59,000	62,000	80,000
Scientists	52,000	50,000	54,000	60,000	90,000
Computer and math scientists	56,000	54,000	60,000	65,000	67,000
Computer and information scientists	56,000	54,000	62,000	75,000	67,000
Mathematical scientists	60,000	52,500	60,000	70,000	S
Postsecondary teachers	45,000	28,000	35,000	55,000	S
Life and related scientists	44,000	36,000	42,000	58,000	120,000
Agriculture and food scientists	41,000	37,000	40,000	60,000	S
Biological scientists	41,000	35,000	42,000	55,000	120,000
Environmental life scientists	45,000	41,000	52,000	59,000	S
Postsecondary teachers	52,000	28,000	37,500	59,000	110,000
Physical and related scientists	50,000	42,000	51,000	65,000	S
Chemistry, except biochemistry	48,700	41,300	50,000	70,000	S
Earth scientists, geologists, and oceanographers	50,000	46,500	53,000	62,500	S
Physicists and astronomers	63,800	42,000	58,000	74,600	S
Other physical and related scientists	45,000	37,500	50,000	77,800	S
Postsecondary teachers	50,000	14,500	41,000	55,000	S
Social and related scientists	45,000	25,000	41,100	55,000	53,500
Economists	57,700	45,000	62,500	77,000	S
Political and related scientists	32,000	30,000	36,000	75,000	S
Psychologists	40,000	22,000	40,000	56,000	39,000
Sociologists and anthropologists	29,000	20,000	33,500	50,900	S
Other social and related scientists	50,000	25,000	60,600	52,400	S
Postsecondary teachers	49,000	16,000	38,000	52,000	53,000
Engineers	60,000	55,100	64,000	72,000	64,000
Aerospace and related engineers	65,000	61,000	68,000	80,000	S
Chemical engineers	65,000	62,000	70,000	73,000	S
Civil and architectural engineers	53,700	51,000	60,000	68,000	S
Electrical and related engineers	62,000	60,000	69,000	79,300	64,000
Industrial engineers	53,000	52,000	58,000	72,000	S
Mechanical engineers	58,000	55,000	60,000	72,800	S
Other engineers	59,400	55,000	62,000	72,000	S
Postsecondary teachers	60,000	35,000	48,000	65,000	S

S = suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1997.

See text table 3-6 in Volume 1.

Science & Engineering Indicators – 2002

Appendix table 3-24.

Median annual salaries of U.S. individuals in S&E occupations, by occupation and highest degree attained: 1995
(Dollars)

Occupation	Employed S&Es, total	Highest degree			
		Bachelor's	Master's	Doctorate	Professional
S&E occupations	50,000	48,000	53,500	58,000	69,000
Scientists	48,000	45,000	49,000	55,000	70,000
Computer and math scientists	50,000	49,000	55,000	58,000	63,000
Computer and information scientists	50,000	49,000	57,000	66,000	63,000
Mathematical scientists	53,000	47,700	55,000	65,000	S
Postsecondary teachers	40,900	24,000	32,800	50,800	S
Life and related scientists	42,000	35,000	40,000	53,000	100,000
Agriculture and food scientists	41,000	37,500	37,300	54,000	S
Biological scientists	40,000	31,600	40,900	52,000	90,000
Environmental life scientists	40,000	37,000	43,000	59,000	S
Postsecondary teachers	49,000	28,000	35,000	54,600	100,000
Physical and related scientists	47,000	40,000	48,100	60,000	S
Chemistry, except biochemistry	46,600	40,000	50,000	64,700	S
Earth scientists, geologists, and oceanographers	45,000	40,000	49,100	62,700	S
Physicists and astronomers	55,500	42,000	52,000	65,000	S
Other physical and related scientists	43,900	37,400	48,000	67,900	S
Postsecondary teachers	45,000	14,000	42,000	50,000	S
Social and related scientists	42,800	27,000	39,300	53,000	48,000
Economists	53,500	42,000	59,900	77,000	S
Political and related scientists	33,000	27,000	36,000	61,000	S
Psychologists	40,000	22,000	37,000	55,000	49,000
Sociologists and anthropologists	32,000	27,000	32,000	50,000	S
Other social and related scientists	40,000	27,000	39,300	53,700	S
Postsecondary teachers	47,000	20,000	37,600	50,000	43,500
Engineers	54,000	50,000	59,500	65,000	50,000
Aerospace and related engineers	58,000	55,000	60,000	70,000	S
Chemical engineers	60,000	55,000	64,000	70,000	S
Civil and architectural engineers	50,000	48,000	55,000	60,000	S
Electrical and related engineers	56,000	52,600	62,000	71,000	53,000
Industrial engineers	50,000	48,000	51,600	65,600	S
Mechanical engineers	52,000	50,000	57,000	62,000	S
Other engineers	53,000	50,000	59,500	65,000	S
Postsecondary teachers	54,000	40,000	44,000	60,000	S

S = suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1995.

See text table 3-6 in Volume 1.

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Appendix table 3-25.

**Median annual salaries of U.S. individuals in S&E occupations, by occupation and highest degree attained: 1993
(Dollars)**

Occupation	Employed S&Es, total	Highest degree			
		Bachelor's	Master's	Doctorate	Professional
S&E occupations	48,000	45,000	50,000	54,800	62,000
Scientists	44,900	41,000	46,500	52,000	65,000
Computer and math scientists	46,800	44,000	50,800	55,800	51,000
Computer and information scientists	47,200	44,400	52,600	65,000	51,000
Mathematical scientists	46,800	43,000	50,000	62,800	S
Postsecondary teachers	39,000	27,400	32,000	48,000	S
Life and related scientists	40,000	32,200	38,000	50,000	80,000
Agriculture and food scientists	38,000	35,000	36,000	52,000	S
Biological scientists	38,000	31,200	40,000	49,000	67,500
Environmental life scientists	35,000	34,000	40,300	52,200	S
Postsecondary teachers	48,000	32,000	34,600	51,000	92,400
Physical and related scientists	45,000	37,500	46,800	58,000	S
Chemistry, except biochemistry	43,800	37,200	47,000	60,500	S
Earth scientists, geologists, and oceanographers	42,000	38,400	46,000	62,000	S
Physicists and astronomers	57,300	44,100	56,000	63,300	S
Other physical and related scientists	44,000	37,500	45,600	60,000	S
Postsecondary teachers	45,000	19,000	42,000	50,000	S
Social and related scientists	40,300	27,400	38,700	49,000	44,200
Economists	50,000	36,000	52,400	72,000	46,000
Political and related scientists	36,000	30,000	40,000	48,000	S
Psychologists	37,500	22,000	37,000	50,000	41,000
Sociologists and anthropologists	35,600	27,000	35,000	53,500	S
Other social and related scientists	37,000	26,800	38,000	47,300	S
Postsecondary teachers	45,000	28,700	37,000	47,000	62,000
Engineers	50,000	48,000	55,200	63,500	50,000
Aerospace and related engineers	54,000	52,000	58,900	67,400	S
Chemical engineers	55,300	52,000	59,600	65,000	S
Civil and architectural engineers	48,000	45,600	52,000	55,000	40,000
Electrical and related engineers	52,000	50,000	59,500	70,000	48,000
Industrial engineers	44,600	44,000	48,000	66,000	S
Mechanical engineers	50,000	48,000	55,900	60,000	61,000
Other engineers	50,000	47,000	54,000	63,000	60,000
Postsecondary teachers	52,000	40,000	44,000	60,000	S

S = suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993.

See text table 3-6 in Volume 1.

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Appendix table 3-26.

Median annual salaries of U.S. individuals in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		Less than 5	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
		All degree levels ^a							
S&E occupations	60,000	46,000	57,000	64,000	69,000	70,000	70,600	72,000	70,000
Male	64,000	48,800	60,000	66,000	70,000	70,700	72,100	74,000	70,100
Female	50,000	40,000	50,000	57,000	60,000	58,700	60,000	57,000	52,000
White	61,000	45,000	56,000	65,000	70,000	70,000	71,000	73,000	70,000
Black	53,000	45,000	54,000	55,000	60,000	58,000	53,000	53,000	46,500
Hispanic	55,000	44,000	56,000	58,000	65,000	61,000	68,500	67,000	68,000
Asian/Pacific Islander	62,000	53,000	63,000	68,000	70,000	72,000	70,000	67,200	64,800
Other	52,000	42,000	50,000	57,000	55,000	65,000	75,000	88,000	S
Scientists	58,800	43,000	54,500	62,000	65,300	65,000	67,600	68,100	65,000
Male	62,000	47,800	58,500	65,900	70,000	68,000	70,000	71,000	70,000
Female	50,000	37,000	48,000	55,000	58,100	58,000	60,000	56,000	49,000
White	59,700	41,000	53,000	62,000	65,000	65,000	68,000	70,000	69,000
Black	50,000	44,000	50,000	51,500	58,000	55,600	50,000	50,000	46,500
Hispanic	51,000	41,000	56,000	56,000	65,000	56,000	60,000	54,500	55,000
Asian/Pacific Islander	60,000	54,000	63,000	67,000	73,000	69,000	67,500	60,000	58,200
Other	45,000	38,000	47,500	50,000	36,000	54,000	74,200	70,000	51,400
Computer/math scientists	64,000	55,000	62,000	66,000	69,000	70,000	70,000	69,000	S
Male	65,900	55,000	64,000	70,000	71,000	71,000	72,000	70,000	65,000
Female	58,000	50,000	57,000	58,400	60,000	60,000	63,000	62,000	58,000
White	65,000	53,000	60,000	67,000	68,600	70,000	70,000	69,200	65,000
Black	54,000	49,000	54,000	53,700	60,000	57,000	48,000	34,500	S
Hispanic	59,000	51,000	65,000	58,600	68,000	59,000	60,000	S	S
Asian/Pacific Islander	65,000	60,000	70,000	70,000	75,000	70,000	62,000	69,100	59,000
Other	54,000	54,000	30,000	60,000	S	S	S	S	S
Life and related scientists	47,700	29,000	43,000	52,800	60,000	56,000	63,000	61,000	72,100
Male	51,000	30,000	45,000	53,000	61,000	60,000	67,000	69,000	73,500
Female	39,000	28,100	40,000	49,800	55,000	52,000	50,600	46,000	40,000
White	49,000	28,100	42,000	53,000	60,000	58,000	63,000	61,000	72,100
Black	42,000	30,000	49,000	48,000	44,000	41,500	57,000	30,900	S
Hispanic	35,500	25,000	40,000	48,000	40,000	28,500	34,000	80,000	S
Asian/Pacific Islander	43,000	30,000	44,700	50,400	76,000	54,000	80,000	68,000	58,200
Other	39,000	35,000	43,000	87,000	43,000	43,100	S	S	S
Physical and related scientists	52,000	35,000	46,000	60,000	63,800	62,500	65,000	73,000	60,000
Male	56,000	35,000	47,500	60,000	65,000	68,000	66,000	75,000	74,000
Female	41,400	33,300	43,000	49,000	51,000	55,000	50,000	50,000	49,000
White	52,300	34,000	46,000	60,000	65,000	65,000	65,000	79,800	69,000
Black	43,000	30,000	45,000	43,000	41,700	38,000	43,000	S	S
Hispanic	43,000	30,000	37,000	51,000	50,000	48,000	89,500	79,000	55,000
Asian/Pacific Islander	53,400	40,000	50,000	65,000	65,000	68,000	85,000	54,000	52,000
Other	49,000	32,500	60,000	S	39,000	80,000	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-26.

Median annual salaries of U.S. individuals in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		Less than 5	5–9	10–14	15–19	20–24	25–29	30–34	35 or more
Social and related scientists	47,000	33,000	42,000	50,000	60,000	60,000	63,000	64,000	62,000
Male	54,000	35,000	46,000	56,000	66,000	62,000	64,500	61,000	65,000
Female	40,000	32,000	39,000	45,000	52,000	58,000	62,000	64,000	40,000
White	48,000	32,500	42,000	51,000	60,000	59,000	63,000	64,000	65,000
Black	40,000	30,000	35,000	45,000	48,000	59,000	30,000	S	S
Hispanic	40,000	35,600	46,000	45,000	45,000	45,000	75,000	S	S
Asian/Pacific Islander	48,000	36,000	49,400	65,000	66,000	68,000	60,000	75,000	S
Other	49,000	45,000	50,000	50,000	55,000	53,000	S	S	S
Engineers	65,000	49,000	60,000	65,000	70,900	73,000	75,000	75,000	71,700
Male	65,000	50,000	60,000	66,000	72,000	74,000	76,000	75,000	73,000
Female	55,500	47,000	58,000	64,000	60,000	60,000	65,000	73,000	68,100
White	65,000	48,900	59,800	66,000	72,000	73,000	76,800	75,000	71,700
Black	58,000	48,000	60,000	59,300	65,000	65,000	70,000	S	S
Hispanic	58,000	47,000	56,000	60,000	65,000	75,000	72,000	67,000	80,000
Asian/Pacific Islander	64,400	52,000	63,200	68,000	69,600	75,000	70,200	70,000	69,000
Other	60,000	44,000	52,000	63,000	S	73,000	S	S	S
Bachelor's									
S&E occupations	59,000	43,000	53,000	61,000	67,000	65,600	69,000	70,000	66,000
Male	60,000	45,000	55,000	63,000	68,600	68,400	70,000	70,000	67,200
Female	50,000	38,000	47,800	56,900	58,000	55,600	55,000	56,000	58,000
White	60,000	42,000	53,000	62,000	67,500	67,000	69,500	70,000	67,000
Black	50,600	44,000	50,000	54,000	60,000	56,000	53,000	53,000	63,400
Hispanic	53,500	42,600	53,000	57,000	64,000	59,000	60,000	60,000	68,000
Asian/Pacific Islander	58,000	45,000	55,000	60,000	66,000	69,000	62,000	60,000	60,000
Other	46,000	36,000	47,500	57,000	60,000	73,000	S	S	S
Scientists	55,000	40,000	50,000	60,000	63,800	62,000	64,000	61,800	59,000
Male	60,000	44,000	54,000	64,200	66,000	65,000	65,000	65,000	63,400
Female	48,000	33,300	45,000	55,200	57,000	55,000	51,600	55,000	52,000
White	56,000	40,000	50,000	60,700	65,000	62,700	64,700	64,000	62,000
Black	48,000	42,000	45,000	50,000	58,000	55,000	50,000	50,000	S
Hispanic	50,000	40,000	56,000	57,000	58,000	55,000	50,000	S	S
Asian/Pacific Islander	55,000	45,500	53,000	63,000	61,000	68,600	62,000	54,000	50,000
Other	36,000	33,000	S	40,500	35,000	S	S	S	S
Computer/math scientists	60,800	50,000	59,000	65,000	66,000	68,000	67,600	66,000	63,400
Male	64,000	50,000	60,000	67,000	70,000	70,000	69,000	70,000	65,000
Female	56,000	47,000	54,000	58,000	60,000	58,700	62,000	64,000	58,000
White	62,200	50,000	60,000	65,000	67,000	70,000	68,000	68,000	64,000
Black	50,000	45,000	50,000	53,000	58,000	60,000	48,000	S	S
Hispanic	57,000	47,800	64,800	57,000	66,000	62,000	S	S	S
Asian/Pacific Islander	60,000	53,000	58,200	63,000	70,000	70,000	62,000	60,000	S
Other	35,000	45,000	S	S	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-26.

Median annual salaries of U.S. individuals in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		Less than 5	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Life and related scientists	37,000	25,000	36,000	40,000	47,500	45,000	50,000	50,000	55,000
Male	41,500	25,000	36,000	45,000	46,700	45,000	51,800	54,000	S
Female	33,600	24,000	35,000	36,000	47,500	48,000	34,000	36,000	S
White	38,000	25,000	36,000	41,000	48,000	48,000	50,000	51,000	55,000
Black	36,000	28,000	S	S	S	S	S	S	S
Hispanic	28,500	19,500	S	S	S	S	S	S	S
Asian/Pacific Islander	35,000	26,000	35,000	S	S	42,000	S	S	S
Other	36,000	S	S	S	S	S	S	S	S
Physical and related scientists	45,000	30,000	40,000	52,000	53,400	55,000	60,000	56,500	52,000
Male	47,000	28,000	40,000	52,500	55,000	55,000	62,000	68,000	52,000
Female	38,000	31,000	36,000	47,500	50,000	55,000	40,700	50,000	S
White	45,000	30,000	40,000	52,000	55,000	55,000	60,000	70,000	50,000
Black	43,000	29,000	45,000	36,000	S	S	S	S	S
Hispanic	37,000	29,000	36,000	S	S	44,000	S	S	S
Asian/Pacific Islander	41,400	36,000	40,000	S	40,000	55,000	S	52,800	S
Other	S	S	S	S	S	S	S	S	S
Social and related scientists	30,000	27,500	28,000	48,000	70,000	45,000	36,000	S	S
Male	35,000	26,500	26,000	53,000	70,000	S	35,000	S	S
Female	29,700	28,000	28,000	37,000	S	45,000	S	S	S
White	30,000	26,400	28,000	48,000	80,000	45,000	36,000	S	0
Black	30,000	18,000	S	S	S	S	S	S	S
Hispanic	27,000	26,000	S	S	S	S	S	S	S
Asian/Pacific Islander	30,000	30,000	S	S	S	S	S	S	S
Other	48,000	48,000	S	S	S	S	S	S	S
Engineers	60,000	45,000	55,000	62,000	70,000	70,000	72,000	72,000	69,000
Male	62,000	45,000	55,000	62,000	70,000	70,000	72,000	72,000	70,000
Female	52,000	45,000	54,000	60,500	60,000	60,000	65,000	S	68,100
White	62,000	45,000	55,000	63,000	70,000	70,000	73,000	73,000	70,000
Black	56,000	45,000	57,000	59,300	64,000	63,000	70,000	S	S
Hispanic	56,000	45,000	53,000	58,000	64,000	70,000	68,500	60,000	70,500
Asian/Pacific Islander	59,100	45,000	58,000	60,000	66,000	69,000	60,300	65,000	64,800
Other	60,000	40,000	60,000	63,000	S	73,000	S	S	S
Master's									
S&E occupations	64,000	52,500	63,000	69,100	71,600	72,000	75,000	72,000	77,000
Male	68,000	56,000	65,000	70,000	75,000	74,000	75,000	75,000	80,000
Female	50,000	42,000	54,000	54,800	56,000	58,000	61,000	56,000	41,000
White	64,400	50,000	61,600	69,100	72,000	72,000	75,000	72,000	76,000
Black	54,000	50,000	65,000	51,000	59,000	58,000	30,000	S	S
Hispanic	58,000	50,000	62,000	61,000	72,000	60,000	72,400	67,000	S
Asian/Pacific Islander	65,300	58,000	70,000	75,000	75,000	72,000	70,700	73,000	89,900
Other	54,000	54,000	54,000	73,800	S	S	S	S	S
Scientists	60,000	49,500	60,000	63,000	65,000	62,000	68,000	64,000	59,700

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-26.

Median annual salaries of U.S. individuals in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		Less than 5	5–9	10–14	15–19	20–24	25–29	30–34	35 or more
Male	63,900	55,000	64,000	67,900	72,000	68,000	70,000	69,000	72,100
Female	48,000	39,200	49,000	50,000	55,000	58,000	61,000	56,000	41,000
White	58,000	44,000	56,000	61,000	65,000	63,500	68,000	64,000	59,700
Black	50,000	48,000	62,000	45,000	55,900	54,000	30,000	S	S
Hispanic	51,000	43,000	58,000	55,000	65,000	52,000	S	S	S
Asian/Pacific Islander	65,000	60,000	70,000	70,000	75,000	60,000	60,000	56,000	S
Other	52,500	52,500	55,000	S	S	S	S	S	S
Computer/math scientists	68,000	60,000	68,000	72,000	75,000	71,000	75,000	65,000	74,000
Male	70,000	62,000	70,000	75,000	80,000	75,000	76,000	70,000	72,000
Female	61,000	57,000	62,000	62,700	69,600	63,000	67,000	62,000	S
White	68,000	60,000	65,000	70,600	75,000	74,000	75,400	65,000	74,000
Black	60,000	54,800	72,000	63,000	63,900	54,000	S	S	S
Hispanic	66,000	65,000	75,000	74,000	76,000	52,000	S	S	S
Asian/Pacific Islander	70,000	62,000	75,000	77,000	80,000	61,000	60,000	60,000	S
Other	55,000	S	S	S	S	S	S	S	S
Life and related scientists	43,800	33,000	42,000	41,300	52,000	50,000	54,000	49,300	58,000
Male	46,000	30,000	42,000	40,000	52,000	52,000	54,000	51,000	S
Female	41,000	34,000	41,000	49,700	50,000	49,000	51,000	46,000	S
White	45,000	32,000	40,000	41,300	56,000	49,000	54,000	49,300	S
Black	42,000	34,000	50,000	S	44,000	S	S	S	S
Hispanic	40,000	28,000	40,000	S	S	S	S	S	S
Asian/Pacific Islander	41,000	35,000	42,800	40,000	S	52,000	S	S	S
Other	S	S	S	S	S	S	S	S	S
Physical and related scientists	52,000	36,000	52,000	62,200	63,000	69,000	62,300	73,000	45,000
Male	58,000	35,000	54,000	65,000	70,000	70,000	65,000	73,000	69,000
Female	42,400	36,000	46,000	52,000	41,000	42,400	57,000	S	S
White	55,000	36,000	55,000	62,200	65,000	69,000	62,300	79,800	45,000
Black	44,700	33,000	44,700	S	S	S	S	S	S
Hispanic	36,000	32,000	55,000	S	S	S	S	S	S
Asian/Pacific Islander	50,000	43,000	46,000	63,000	51,000	S	S	55,000	S
Other	50,000	S	S	S	S	S	S	S	S
Social and related scientists	41,000	32,000	40,000	45,000	46,000	50,000	60,000	64,000	80,000
Male	47,500	32,500	39,000	50,000	53,000	50,000	60,000	50,000	80,000
Female	38,000	31,000	40,000	41,000	46,000	51,400	60,000	64,000	S
White	42,000	30,000	39,000	46,000	50,000	50,000	60,000	64,000	80,000
Black	35,000	29,000	37,500	45,000	40,000	58,000	S	S	S
Hispanic	42,000	38,000	46,000	42,000	S	S	S	S	S
Asian/Pacific Islander	48,000	36,000	35,000	S	S	S	S	S	S
Other	40,000	S	S	S	S	S	S	S	S
Engineers	70,000	56,000	66,000	74,000	78,000	79,000	80,000	84,000	95,000
Male	70,000	56,000	67,000	75,000	78,000	79,000	80,000	84,000	95,000
Female	61,000	55,000	65,000	70,000	70,000	76,600	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-26.

Median annual salaries of U.S. individuals in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		Less than 5	5–9	10–14	15–19	20–24	25–29	30–34	35 or more
White	71,000	57,000	67,000	75,000	79,000	79,100	82,000	82,500	100,000
Black	62,000	54,000	65,000	59,000	78,000	105,000	S	S	S
Hispanic	62,000	54,100	65,000	66,000	78,000	75,800	72,400	S	S
Asian/Pacific Islander	68,000	55,000	65,000	75,000	70,000	78,000	75,000	S	S
Other	60,000	57,500	50,000	S	S	S	S	S	S
Doctorate									
S&E occupations	68,000	50,000	61,500	68,000	75,000	78,000	80,000	85,500	85,000
Male	71,000	54,000	65,000	70,000	78,000	80,000	82,000	86,000	87,000
Female	55,000	42,000	55,000	58,800	65,500	69,000	72,000	75,000	70,000
White	68,000	48,000	60,000	67,000	75,000	78,000	80,000	86,000	85,000
Black	60,000	45,000	56,800	67,000	67,000	65,000	69,000	76,000	84,000
Hispanic	58,000	40,000	56,000	60,000	67,000	80,000	77,000	85,000	S
Asian/Pacific Islander	70,000	58,000	67,000	73,000	80,000	85,000	84,000	85,000	104,000
Other	56,000	44,000	49,000	53,000	65,000	80,000	78,000	S	S
Scientists	65,000	44,000	58,000	65,000	72,000	75,000	77,300	83,400	85,000
Male	68,000	46,000	60,000	68,000	75,000	76,000	78,000	84,000	85,000
Female	55,000	40,800	53,000	57,900	64,900	67,500	72,000	75,000	70,000
White	65,000	43,200	57,000	65,000	72,000	75,000	77,000	84,000	84,000
Black	60,000	44,000	52,000	67,000	66,000	61,000	69,000	76,000	84,000
Hispanic	56,000	38,000	55,000	56,000	65,000	77,000	76,000	82,500	S
Asian/Pacific Islander	64,000	50,000	60,000	70,000	78,000	80,000	80,000	80,000	104,000
Other	55,000	43,000	49,000	53,000	65,000	80,000	68,500	S	S
Computer/math scientists	71,200	60,000	70,000	75,000	75,000	76,000	78,600	80,000	80,000
Male	75,000	64,000	74,000	75,000	78,000	78,000	79,000	80,500	80,000
Female	62,000	54,000	65,000	70,000	66,800	70,000	68,000	80,000	S
White	71,500	55,500	70,000	74,400	71,000	76,000	79,000	81,000	80,000
Black	71,000	58,200	71,000	74,000	78,000	65,000	63,000	S	S
Hispanic	60,800	65,000	60,800	57,400	65,500	58,000	72,000	S	S
Asian/Pacific Islander	73,000	68,000	70,000	77,000	80,000	80,000	73,000	80,000	S
Other	60,500	62,000	S	S	S	S	S	S	S
Life and related scientists	62,000	34,000	54,000	65,000	74,000	76,000	80,000	86,000	85,000
Male	65,000	34,000	55,000	67,000	75,000	78,000	80,000	85,000	86,000
Female	53,000	33,000	53,000	60,000	65,000	68,000	80,000	89,100	63,000
White	64,600	35,000	55,000	65,800	73,200	75,000	80,000	86,900	85,000
Black	51,000	35,000	48,000	64,800	62,000	76,000	69,000	S	S
Hispanic	58,000	35,000	60,000	60,400	80,000	85,000	85,000	95,000	S
Asian/Pacific Islander	54,300	31,000	53,800	61,500	78,000	80,000	80,000	85,000	110,000
Other	56,000	35,000	54,300	87,000	65,000	63,000	S	S	S
Physical and related scientists	70,000	50,000	62,000	67,000	80,000	83,000	78,000	87,500	92,000
Male	71,000	50,000	62,000	70,000	80,000	83,000	78,000	88,000	94,000
Female	61,000	50,000	63,800	53,000	80,000	80,000	77,200	60,000	83,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-26.

Median annual salaries of U.S. individuals in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		Less than 5	5–9	10–14	15–19	20–24	25–29	30–34	35 or more
White	70,400	48,000	63,000	67,000	80,000	83,000	79,000	88,000	90,000
Black	58,000	42,000	42,900	67,000	70,500	73,000	75,000	S	S
Hispanic	63,000	38,000	61,500	67,000	67,000	85,000	63,000	79,000	S
Asian/Pacific Islander	67,000	58,000	66,100	72,800	76,000	85,000	79,000	60,000	104,000
Other	61,000	56,000	52,000	S	S	80,000	S	S	S
Social and related scientists	60,000	44,000	53,000	60,000	67,000	69,400	71,100	75,000	80,000
Male	63,500	45,800	55,700	63,000	70,000	70,500	73,000	75,000	80,900
Female	52,000	42,000	50,000	55,000	60,000	64,000	65,000	70,400	75,000
White	60,000	43,500	54,000	59,000	68,000	69,700	71,000	72,500	80,000
Black	60,000	45,000	50,000	67,000	62,300	60,000	80,000	S	S
Hispanic	50,900	38,900	51,000	48,000	55,000	77,000	77,000	S	S
Asian/Pacific Islander	57,000	45,000	50,000	72,000	60,000	77,000	78,000	75,000	S
Other	53,000	44,000	49,000	53,000	55,000	80,000	S	S	S
Engineers	79,000	65,000	75,000	78,700	85,000	90,000	94,000	96,000	91,000
Male	80,000	67,000	75,000	80,000	85,000	90,000	94,000	96,000	91,000
Female	68,000	58,000	72,000	72,000	85,000	90,900	70,000	S	S
White	80,000	66,000	75,000	80,000	85,000	90,000	95,000	94,000	91,000
Black	67,000	62,000	75,000	74,000	78,000	84,500	75,500	S	S
Hispanic	65,000	54,000	68,000	71,000	85,000	100,000	S	S	S
Asian/Pacific Islander	77,000	68,000	75,000	75,000	88,000	92,000	85,000	110,000	100,000
Other	80,000	67,000	S	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

NOTE: Median annual salaries are for full-time employment. Very large or very small values may reflect very small cell sizes and should be interpreted with caution.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

See text table 3-8 and figures 3-15, 3-16 in Volume 1.

Appendix table 3-27.

Median annual salaries of U.S. individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
		All degree levels^a							
S&E occupations	55,000	41,000	52,000	59,500	62,000	64,000	67,000	66,200	63,000
Male	58,000	43,000	53,000	60,000	64,000	65,000	69,000	69,000	65,000
Female	47,000	36,000	48,000	52,000	52,000	53,000	55,000	49,900	52,000
White	55,000	40,000	52,000	59,700	62,000	64,000	68,000	66,800	64,000
Black	48,000	39,000	45,000	51,000	55,000	54,000	54,000	55,500	46,500
Hispanic	50,000	40,000	50,000	60,000	55,000	64,000	60,000	78,500	56,000
Asian/Pacific Islander	55,000	46,000	54,000	62,000	63,000	67,000	63,000	60,000	62,000
Other	49,000	31,000	55,000	50,000	54,000	55,000	70,000	S	42,000
Scientists	52,000	38,000	50,000	56,400	59,000	60,000	62,000	61,000	62,000
Male	55,000	41,000	50,500	60,000	60,500	62,000	65,000	65,000	67,000
Female	45,000	34,000	45,000	50,000	50,000	52,400	54,300	49,400	52,000
White	52,500	36,500	50,000	56,000	59,000	60,000	63,200	62,400	65,000
Black	46,000	35,000	42,500	50,000	53,000	52,000	50,000	40,000	46,500
Hispanic	48,000	36,000	48,000	56,000	52,000	55,000	59,000	70,000	36,000
Asian/Pacific Islander	53,000	45,000	52,000	63,000	60,000	65,000	60,000	50,000	60,500
Other	40,000	26,500	53,000	40,000	54,000	49,000	70,000	S	S
Computer/math scientists	56,000	46,000	53,500	60,000	60,000	62,000	65,000	63,000	60,000
Male	58,200	48,000	55,000	61,000	62,000	65,000	65,000	65,000	57,000
Female	51,000	42,000	50,000	54,000	55,000	55,000	62,000	56,000	62,000
White	56,900	45,000	54,000	60,000	60,100	62,100	65,000	63,000	62,000
Black	48,000	40,000	45,000	51,000	55,000	53,000	50,000	40,000	S
Hispanic	53,000	45,000	55,000	55,000	53,000	63,000	59,000	S	S
Asian/Pacific Islander	56,000	50,000	57,000	64,000	62,500	60,000	60,000	49,400	49,900
Other	54,000	50,000	53,000	S	S	S	S	S	S
Life and related scientists	44,000	27,000	39,900	49,000	52,000	54,000	58,000	56,000	66,000
Male	48,700	28,000	40,000	51,000	58,400	56,000	62,000	60,000	69,500
Female	37,000	27,000	39,000	43,800	44,000	50,000	48,000	40,000	52,000
White	45,000	27,000	38,000	49,900	54,000	53,000	57,000	56,000	60,000
Black	46,000	28,000	45,000	47,900	46,000	47,000	64,000	S	S
Hispanic	40,000	22,000	40,000	43,000	46,000	47,000	47,000	S	S
Asian/Pacific Islander	40,000	28,000	42,000	50,000	45,000	65,000	70,000	51,000	69,000
Other	27,000	25,000	40,000	27,000	40,000	58,000	S	S	S
Physical and related scientists	50,000	32,500	44,200	55,000	58,000	60,000	63,200	68,000	71,000
Male	52,000	34,000	45,500	55,000	62,000	63,000	65,000	74,000	73,500
Female	41,000	32,000	41,000	54,000	52,000	50,000	52,200	46,500	46,000
White	50,100	32,000	45,100	55,000	59,000	60,000	64,000	72,000	73,000
Black	42,000	32,000	41,000	38,000	52,000	50,000	52,400	S	S
Hispanic	41,300	35,000	38,000	56,000	42,000	60,000	70,000	51,000	S
Asian/Pacific Islander	50,000	38,000	42,000	58,000	58,000	63,000	60,000	50,000	60,500
Other	58,000	30,000	62,000	S	35,000	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-27.

Median annual salaries of U.S. individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Social and related scientists	45,000	30,000	41,000	51,000	52,000	55,000	60,000	60,000	55,000
Male	50,000	32,000	42,000	55,000	57,500	58,000	60,000	65,000	79,000
Female	38,000	30,000	39,000	47,000	48,000	52,000	55,000	60,000	33,000
White	45,000	30,000	41,000	52,000	52,000	55,000	60,000	60,000	50,000
Black	36,700	25,000	36,000	41,000	43,000	40,000	45,000	S	S
Hispanic	40,000	30,000	45,000	60,000	43,000	45,000	70,000	S	S
Asian/Pacific Islander	44,000	36,000	40,000	55,000	55,000	74,100	26,000	70,000	100,000
Other	30,000	25,000	50,000	30,000	70,000	42,000	S	S	S
Engineers	60,000	45,000	55,000	60,000	65,000	68,000	70,000	70,000	63,000
Male	60,000	45,000	55,000	60,000	65,000	69,000	71,300	70,000	63,000
Female	50,000	42,000	52,000	56,000	60,000	60,000	59,900	59,000	58,200
White	60,000	45,000	55,000	60,000	65,000	68,000	72,000	70,000	63,000
Black	52,000	43,000	52,000	54,000	57,000	67,000	61,000	71,000	S
Hispanic	54,000	41,600	55,000	60,000	60,000	65,000	60,000	78,500	58,000
Asian/Pacific Islander	58,000	47,000	55,000	60,000	65,000	69,000	65,000	67,700	62,000
Other	53,000	40,000	58,000	64,000	70,000	68,600	70,000	S	42,000
Bachelor's									
S&E occupations	52,000	38,000	50,000	55,000	60,000	60,000	64,000	63,600	60,000
Male	55,000	40,000	50,000	57,000	60,100	62,000	65,000	65,000	60,000
Female	45,000	34,000	45,000	51,400	50,000	52,000	50,000	49,400	57,000
White	53,000	38,000	50,000	55,000	60,000	60,000	65,000	65,000	60,000
Black	47,500	37,000	45,000	52,000	55,000	53,000	52,400	55,500	S
Hispanic	49,500	37,000	48,000	56,000	55,000	60,000	60,000	84,000	56,000
Asian/Pacific Islander	50,000	40,000	50,000	55,000	58,000	59,500	59,500	53,000	60,000
Other	45,000	30,000	60,000	40,000	54,000	64,000	70,000	S	S
Scientists	50,000	35,000	47,000	54,000	55,000	57,000	57,100	56,000	55,000
Male	52,000	37,000	49,000	55,000	58,200	58,200	60,000	56,000	55,000
Female	43,500	30,000	42,000	50,000	48,000	52,000	50,000	49,400	57,000
White	50,000	34,000	48,000	54,000	56,000	57,000	59,000	56,000	55,000
Black	45,000	35,000	41,000	48,000	53,000	48,000	50,000	S	S
Hispanic	46,000	32,500	48,000	50,000	52,000	53,000	52,500	S	S
Asian/Pacific Islander	48,000	39,000	50,000	56,300	55,000	53,000	52,000	40,000	48,000
Other	31,600	25,000	65,000	27,000	54,000	S	S	S	S
Computer/math scientists	54,000	41,700	50,500	55,000	58,500	60,000	62,000	60,000	58,000
Male	55,000	42,000	52,000	59,900	60,000	62,000	64,000	60,000	55,000
Female	50,000	39,000	48,600	52,000	51,500	54,000	54,000	56,000	62,000
White	55,000	41,700	52,000	55,400	59,000	60,000	62,000	60,000	62,000
Black	47,000	37,000	42,500	51,000	54,000	53,000	50,000	S	S
Hispanic	50,000	38,000	52,400	55,000	53,000	64,000	59,000	S	S
Asian/Pacific Islander	50,000	45,000	50,000	59,300	58,000	60,000	55,000	39,000	S
Other	54,000	S	S	S	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-27.

Median annual salaries of U.S. individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Life and related scientists	36,000	22,000	32,000	40,000	43,000	46,000	43,000	49,000	52,000
Male	40,000	22,000	31,000	42,000	43,000	44,000	43,000	50,000	55,000
Female	32,000	22,000	32,000	35,200	42,000	48,900	40,000	25,000	S
White	36,000	22,000	31,500	41,000	43,000	45,000	40,300	49,000	52,000
Black	46,000	23,000	S	S	S	S	S	S	S
Hispanic	33,000	20,000	22,900	40,000	S	S	S	S	S
Asian/Pacific Islander	35,000	20,000	40,000	35,000	42,000	41,000	S	S	S
Other	25,000	25,000	S	S	S	S	S	S	S
Physical and related scientists	42,000	28,000	37,000	48,000	52,000	52,000	52,400	57,000	60,000
Male	45,000	28,600	37,000	49,000	52,000	55,000	56,500	64,000	66,500
Female	37,000	26,000	37,000	42,000	48,000	45,000	49,200	46,500	46,000
White	43,000	27,500	37,000	49,000	52,000	53,200	54,000	63,000	66,500
Black	41,000	32,000	41,000	35,000	55,000	S	S	S	S
Hispanic	34,000	31,000	34,000	32,000	S	S	S	S	S
Asian/Pacific Islander	40,000	32,000	37,000	S	55,000	45,000	50,000	40,000	S
Other	40,000	S	S	S	S	S	S	S	S
Social and related scientists	25,000	21,500	25,200	46,500	48,000	60,000	52,000	S	S
Male	25,000	20,000	32,000	53,500	52,000	65,000	S	S	S
Female	25,000	23,000	25,200	45,000	25,000	S	S	S	S
White	25,000	21,000	25,200	46,500	48,000	60,000	52,000	S	S
Black	27,500	20,000	25,000	S	S	S	S	S	S
Hispanic	22,500	22,500	S	S	S	S	S	S	S
Asian/Pacific Islander	25,000	25,000	S	S	S	S	S	S	S
Other	25,000	25,000	S	S	S	S	S	S	S
Engineers	55,100	40,000	50,400	58,000	63,000	65,000	68,200	68,000	61,800
Male	57,000	40,000	51,000	58,500	63,300	65,000	68,500	68,000	61,000
Female	49,500	40,000	50,000	54,000	58,000	60,000	60,100	58,000	70,000
White	56,800	40,000	51,000	58,000	63,800	65,000	70,000	69,000	61,800
Black	50,000	41,000	50,000	53,400	57,000	58,000	54,000	S	S
Hispanic	52,000	40,000	50,000	60,000	60,000	65,000	60,000	84,000	58,000
Asian/Pacific Islander	51,000	40,000	50,000	53,500	60,000	60,000	62,000	60,000	61,000
Other	53,000	38,000	58,000	S	S	55,000	S	S	S
Master's									
S&E occupations	59,000	48,000	58,000	64,500	64,000	67,000	70,000	67,300	63,800
Male	60,000	50,000	60,000	67,000	66,000	70,000	70,000	70,000	72,000
Female	48,000	38,000	51,500	54,000	50,000	52,000	60,000	46,000	40,000
White	60,000	48,000	58,000	65,000	65,000	66,000	70,000	67,000	69,000
Black	48,000	43,000	50,000	47,800	52,000	58,000	45,000	S	S
Hispanic	55,000	46,500	58,000	62,000	55,000	65,000	67,700	70,000	S
Asian/Pacific Islander	59,000	50,000	59,200	66,000	62,700	70,000	67,700	70,000	63,800
Other	50,000	47,000	50,900	60,000	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-27.

Median annual salaries of U.S. individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Scientists	54,000	44,000	52,800	61,000	60,000	59,800	62,000	62,000	52,000
Male	58,000	50,000	56,800	65,000	64,000	62,000	62,000	65,000	71,600
Female	46,000	36,000	49,000	50,000	50,000	52,000	60,000	46,000	35,000
White	54,000	41,000	52,000	60,000	60,000	59,800	62,000	62,000	52,000
Black	43,000	36,000	47,000	42,000	43,000	56,000	S	S	S
Hispanic	50,000	45,000	49,000	62,000	43,000	55,000	S	S	S
Asian/Pacific Islander	57,000	50,000	59,200	66,000	63,500	65,000	62,000	55,000	S
Other	42,000	28,000	50,900	S	S	S	S	S	S
Computer/math scientists	60,000	53,000	60,000	69,000	65,000	66,000	70,000	65,000	45,000
Male	62,500	54,000	60,000	70,000	65,000	70,000	70,000	65,000	45,000
Female	56,000	50,000	58,000	65,000	60,000	58,000	68,500	39,700	S
White	61,000	52,600	60,000	70,000	65,000	67,000	70,000	63,500	45,000
Black	52,000	47,000	58,000	54,000	57,600	57,000	S	S	S
Hispanic	60,000	55,000	67,000	63,000	60,000	55,000	S	S	S
Asian/Pacific Islander	60,000	53,000	64,000	68,800	66,000	68,000	66,000	70,000	S
Other	28,000	S	20,000	S	S	S	S	S	S
Life and related scientists	42,000	31,000	36,400	44,000	49,000	50,000	52,000	48,000	S
Male	45,000	31,000	35,000	48,000	52,000	53,000	52,000	67,300	S
Female	38,000	32,000	40,000	43,800	41,000	35,000	43,100	42,000	S
White	42,000	31,000	35,000	45,000	49,300	50,000	52,000	52,000	S
Black	39,000	31,000	34,000	39,000	48,500	S	S	S	S
Hispanic	33,000	20,000	49,000	S	S	S	S	S	S
Asian/Pacific Islander	39,000	28,000	40,000	32,000	43,000	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Physical and related scientists	51,000	36,000	48,000	60,000	60,800	60,000	52,200	68,000	63,800
Male	52,000	35,500	50,000	58,000	64,900	60,000	51,000	72,000	75,000
Female	47,000	38,000	42,000	62,700	52,000	55,000	52,200	S	S
White	52,000	36,000	51,900	60,000	62,000	60,000	52,200	74,000	75,000
Black	41,000	39,700	41,000	S	S	S	S	S	S
Hispanic	47,500	28,000	47,500	S	S	S	S	S	S
Asian/Pacific Islander	44,000	38,000	32,000	57,000	48,000	44,000	S	S	S
Other	60,000	S	S	S	S	S	S	S	S
Social and related scientists	41,100	31,000	41,000	47,000	46,000	48,000	54,000	60,000	48,000
Male	46,000	33,500	41,000	55,000	50,000	48,000	54,000	60,000	81,500
Female	37,000	30,000	41,000	45,000	42,000	49,000	54,000	60,000	S
White	42,000	30,000	41,000	47,000	46,000	48,000	55,000	60,000	48,000
Black	35,000	25,000	42,000	34,000	36,000	40,000	S	S	S
Hispanic	45,000	36,000	46,000	S	40,000	40,000	S	S	S
Asian/Pacific Islander	38,000	35,000	33,500	S	S	S	S	S	S
Other	39,000	S	S	S	S	S	S	S	S
Engineers	64,000	51,000	61,000	69,000	70,000	74,000	80,000	75,000	72,000
Male	65,000	51,000	62,000	69,000	70,000	74,000	80,000	75,000	75,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-27.

Median annual salaries of U.S. individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Female	55,000	50,000	58,000	70,000	62,700	58,800	S	S	S
White	65,000	52,000	62,000	69,000	70,000	74,000	82,000	75,000	80,000
Black	58,000	50,000	60,000	81,000	60,000	S	S	S	S
Hispanic	58,500	48,000	62,000	60,300	78,000	75,000	68,000	S	S
Asian/Pacific Islander	60,000	49,000	59,900	65,600	62,700	71,000	70,000	75,000	62,000
Other	55,000	50,000	S	S	S	S	S	S	S
Doctorate									
S&E occupations	62,000	45,000	56,900	64,000	70,000	72,000	75,000	79,900	80,000
Male	65,000	48,800	60,000	66,200	72,000	74,000	75,000	80,000	80,000
Female	50,000	38,000	50,000	57,000	60,000	63,000	62,000	65,700	68,400
White	62,700	42,000	56,200	63,000	70,000	72,000	75,000	79,000	79,200
Black	55,000	42,000	52,000	56,000	58,000	68,700	72,000	69,000	96,000
Hispanic	56,000	44,000	53,000	60,000	60,000	67,500	72,000	68,700	S
Asian/Pacific Islander	63,000	50,000	60,000	70,000	78,000	75,000	77,500	84,000	100,000
Other	50,000	40,000	50,000	48,000	70,000	58,000	77,000	S	S
Scientists	60,000	40,000	53,000	60,600	67,000	70,000	70,000	78,000	78,000
Male	63,000	42,000	55,000	64,000	70,000	71,000	72,000	78,000	80,000
Female	50,000	37,000	50,000	56,100	59,800	62,000	62,000	65,700	68,400
White	60,000	39,600	54,000	60,000	67,000	70,000	70,000	78,000	78,000
Black	53,000	42,000	48,500	55,000	58,000	68,700	71,000	69,000	96,000
Hispanic	54,000	43,500	50,000	60,000	56,000	68,000	76,000	68,700	S
Asian/Pacific Islander	56,200	44,000	50,000	67,900	72,000	73,000	72,500	78,000	100,000
Other	50,000	38,000	42,000	48,000	70,000	50,000	77,000	S	S
Computer/math scientists	65,000	55,000	63,000	68,000	70,000	69,500	70,000	74,000	75,000
Male	67,500	57,200	64,000	70,000	72,000	70,000	69,000	74,000	75,000
Female	57,000	44,500	60,000	60,500	63,000	56,000	70,000	80,000	S
White	65,000	51,500	63,000	66,000	69,300	69,500	69,000	75,000	75,000
Black	63,000	80,000	63,000	65,000	58,000	84,000	S	S	S
Hispanic	55,000	50,000	66,000	55,000	53,000	64,000	S	S	S
Asian/Pacific Islander	65,000	60,000	65,000	70,000	80,000	70,000	74,000	49,400	S
Other	57,000	34,500	S	S	S	S	S	S	S
Life and related scientists	58,000	31,900	52,000	61,300	67,000	70,000	72,000	76,000	78,000
Male	60,000	32,000	52,000	63,200	70,000	71,000	75,000	76,000	78,000
Female	48,500	30,000	50,000	56,000	60,000	60,000	60,000	75,000	70,000
White	60,000	32,000	52,500	62,000	67,000	70,000	72,000	75,000	75,000
Black	55,000	32,000	48,000	72,000	67,000	65,500	64,000	S	S
Hispanic	56,000	39,100	50,000	62,000	72,000	62,500	90,000	S	S
Asian/Pacific Islander	48,000	30,000	42,000	60,000	73,000	70,000	75,000	79,500	100,000
Other	55,000	29,200	54,000	72,000	S	58,000	S	S	S
Physical and related scientists	65,000	45,000	56,000	65,400	75,000	76,000	75,000	82,000	86,000
Male	67,000	45,900	58,000	67,000	77,000	77,000	75,000	82,000	90,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-27.

Median annual salaries of U.S. individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1–4	5–9	10–14	15–19	20–24	25–29	30–34	35 or more
Female	54,800	41,000	50,000	60,500	59,000	68,000	63,000	60,000	72,000
White	67,000	44,500	58,000	66,000	75,000	76,000	75,000	82,000	83,000
Black	60,000	48,000	47,000	52,000	76,000	80,000	S	S	S
Hispanic	60,000	43,600	48,000	77,100	65,000	75,000	70,000	83,900	S
Asian/Pacific Islander	60,000	48,500	55,000	65,000	75,000	78,000	70,000	85,000	S
Other	55,000	42,000	S	S	62,500	S	S	S	S
Social and related scientists	55,000	40,000	50,000	58,000	60,000	65,000	65,000	70,000	72,000
Male	58,000	42,000	52,000	58,000	63,700	66,000	66,000	71,300	75,000
Female	48,500	39,000	47,000	55,000	58,000	64,000	60,000	65,700	60,000
White	55,000	39,500	50,000	58,000	62,500	65,000	65,000	71,300	72,300
Black	50,000	42,000	50,000	50,000	58,000	68,500	72,000	65,500	S
Hispanic	50,000	39,000	47,300	60,000	56,000	67,000	80,000	63,000	80,000
Asian/Pacific Islander	50,000	45,000	48,000	57,800	50,000	95,000	73,000	70,000	65,000
Other	48,000	40,000	38,000	50,000	70,000	49,000	67,000	S	S
Engineers	72,000	60,000	70,000	75,000	80,500	85,000	85,000	85,000	85,000
Male	73,000	60,000	70,000	75,000	81,000	86,000	85,000	85,000	85,000
Female	60,000	52,000	64,100	75,000	80,000	75,800	78,000	S	S
White	75,000	60,000	69,500	75,000	82,000	86,000	86,000	85,000	84,300
Black	67,000	50,000	67,000	75,000	79,000	69,000	73,500	S	S
Hispanic	66,200	50,000	72,000	60,000	70,000	65,000	69,000	S	S
Asian/Pacific Islander	70,000	60,000	70,000	75,000	81,000	83,000	86,000	100,000	S
Other	74,000	62,500	58,000	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

NOTE: Median annual salaries are for full-time employment. Very large or very small values may reflect very small cell sizes and should be interpreted with caution.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1997.

Appendix table 3-28.

Median annual salaries of individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
		All degree levels^a							
S&E occupations	50,000	38,000	48,000	54,000	57,000	60,000	62,000	60,000	59,000
Male	52,000	39,900	49,000	55,000	60,000	61,500	65,000	61,000	60,000
Female	42,000	34,000	44,000	48,000	46,700	51,300	52,100	45,000	49,600
White	50,500	37,500	48,000	54,000	57,000	60,000	63,500	60,000	60,000
Black	45,000	37,000	44,000	49,400	48,900	48,000	49,900	60,000	41,300
Hispanic	47,000	37,500	45,000	52,000	53,000	55,000	65,000	70,000	59,000
Asian/Pacific Islander	50,000	40,000	50,000	56,200	60,000	60,000	56,400	58,000	53,300
Other	49,700	35,000	48,000	53,000	52,000	66,000	60,000	61,000	S
Scientists	48,000	34,500	45,000	51,000	52,600	57,000	60,000	56,000	57,000
Male	50,000	36,000	47,500	53,500	56,000	60,000	61,000	60,700	60,000
Female	41,000	31,000	42,000	47,000	45,000	50,000	53,300	44,000	46,100
White	48,500	34,000	45,000	51,000	53,300	58,000	60,000	56,000	59,000
Black	41,000	33,000	41,000	48,000	44,500	46,000	50,000	52,800	41,300
Hispanic	42,000	33,000	44,000	50,000	50,000	49,500	63,000	70,000	59,000
Asian/Pacific Islander	48,000	39,000	48,800	56,000	58,400	53,000	52,000	51,000	50,000
Other	42,300	30,000	42,000	50,000	40,000	60,000	60,000	50,000	S
Computer/math scientists	50,000	40,000	48,000	52,800	55,900	59,900	60,000	55,000	50,000
Male	52,000	40,000	50,000	55,000	59,000	60,100	62,000	56,000	53,500
Female	45,000	38,000	45,000	48,000	49,000	52,000	55,000	48,000	49,600
White	50,200	40,000	48,000	52,000	56,000	60,000	60,000	55,000	50,200
Black	44,000	37,000	43,000	50,000	46,000	52,000	62,000	S	42,000
Hispanic	46,000	38,400	44,700	54,000	50,000	49,900	S	S	S
Asian/Pacific Islander	50,000	44,000	50,000	59,000	60,000	52,000	45,000	51,000	45,000
Other	52,000	35,000	41,000	53,000	S	70,000	S	S	S
Life and related scientists	42,000	26,800	37,000	45,500	47,200	52,000	56,000	55,000	67,000
Male	45,000	27,000	40,000	49,000	48,500	54,000	57,600	61,000	70,000
Female	34,000	26,000	32,000	42,000	42,000	45,000	48,000	40,900	33,000
White	42,500	26,000	38,000	46,200	47,200	52,400	55,000	55,000	70,000
Black	35,000	24,000	30,900	49,000	41,000	48,000	50,000	S	33,000
Hispanic	37,000	27,000	33,000	41,000	46,900	43,300	30,000	S	110,000
Asian/Pacific Islander	37,000	28,500	32,000	42,000	51,300	65,000	67,000	52,000	70,000
Other	50,000	32,300	51,000	50,000	40,000	91,000	S	S	S
Physical and related scientists	47,000	32,000	43,000	51,600	52,300	58,000	63,000	62,000	60,000
Male	50,000	32,000	43,000	53,500	58,000	59,000	66,700	66,000	60,000
Female	39,600	30,000	44,000	45,500	43,000	49,000	45,000	25,800	55,100
White	48,000	32,000	42,000	53,000	54,800	59,000	67,000	63,000	60,000
Black	42,000	30,000	43,000	44,500	45,200	45,000	47,000	S	S
Hispanic	40,000	28,100	49,000	50,000	57,800	50,200	75,000	S	S
Asian/Pacific Islander	45,000	33,400	50,000	50,000	54,000	47,800	50,200	50,000	48,000
Other	32,000	28,500	S	79,000	32,000	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-28.

**Median annual salaries of individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)**

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Social and related scientists	42,800	28,000	40,000	47,300	48,600	53,000	57,000	56,000	60,000
Male	48,000	32,000	41,300	50,000	51,000	56,000	60,000	60,700	69,000
Female	37,000	25,200	40,000	45,000	42,000	45,500	50,000	50,000	33,000
White	43,200	28,000	40,000	48,000	49,000	53,600	57,000	56,000	60,000
Black	35,000	30,000	43,000	37,800	37,000	25,000	40,000	S	S
Hispanic	40,000	32,400	40,000	45,000	48,000	67,000	53,000	S	S
Asian/Pacific Islander	45,000	33,500	48,000	50,000	53,700	71,300	60,000	61,000	S
Other	37,000	25,200	48,000	30,000	37,000	46,000	S	S	S
Engineers	54,000	41,000	50,000	56,000	60,000	64,000	65,500	62,000	60,000
Male	55,000	41,000	50,000	56,100	60,000	65,000	66,000	62,000	60,000
Female	47,000	40,000	48,000	51,500	52,600	52,000	50,000	63,000	75,000
White	54,000	41,000	50,000	56,000	60,000	65,000	67,000	62,500	60,000
Black	48,600	42,000	47,700	52,000	65,000	50,000	48,000	61,000	S
Hispanic	50,000	41,000	49,700	53,000	60,000	60,000	66,000	70,000	51,000
Asian/Pacific Islander	52,000	40,300	50,000	57,000	60,000	61,000	60,000	60,000	54,600
Other	58,000	40,000	48,800	62,000	62,000	66,000	S	S	S
Bachelor's									
S&E occupations	48,000	35,000	45,000	50,800	54,000	57,000	60,000	58,500	57,000
Male	50,000	35,700	46,000	52,000	56,000	59,000	61,000	60,000	58,000
Female	40,200	30,000	43,000	46,000	45,000	50,000	52,000	45,000	50,000
White	49,100	34,000	45,600	51,000	55,000	58,000	60,000	58,500	58,000
Black	43,000	36,000	42,000	48,800	48,000	48,000	49,900	61,000	42,000
Hispanic	45,000	35,000	45,000	50,000	50,000	53,400	65,000	72,000	51,000
Asian/Pacific Islander	45,800	35,500	45,000	50,000	52,000	52,000	52,000	57,000	51,000
Other	50,000	34,300	48,000	53,000	62,000	S	60,000	S	S
Scientists	45,000	30,000	44,000	48,000	50,000	54,000	58,000	53,000	52,300
Male	48,000	32,000	45,000	50,000	52,000	55,000	60,000	55,000	57,000
Female	39,700	27,000	41,000	45,000	43,000	50,000	53,400	44,000	49,600
White	45,000	30,000	44,000	48,000	50,000	55,000	60,000	53,700	55,000
Black	40,000	30,000	36,000	46,000	41,000	46,000	52,000	S	45,500
Hispanic	39,000	30,500	40,000	48,000	50,000	43,500	S	S	S
Asian/Pacific Islander	43,000	34,000	45,000	50,000	50,000	44,000	42,900	50,000	46,100
Other	40,000	30,000	S	53,000	S	S	S	S	S
Computer/math scientists	49,000	36,000	46,000	50,000	55,000	55,500	60,000	55,000	50,200
Male	50,000	36,500	47,000	52,000	57,700	58,000	61,000	57,000	54,000
Female	44,000	35,000	43,400	46,000	48,000	50,000	55,000	50,000	49,600
White	49,700	36,000	46,000	50,000	55,000	56,700	60,000	55,000	52,300
Black	42,000	36,000	39,000	49,000	45,800	52,000	62,000	S	45,500
Hispanic	44,000	36,500	44,000	50,600	50,000	49,500	S	S	S
Asian/Pacific Islander	46,300	38,000	48,000	53,000	50,000	50,000	42,900	51,000	S
Other	53,000	40,000	S	S	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-28.

Median annual salaries of individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Life and related scientists	35,000	20,000	30,000	38,000	40,000	43,500	48,000	47,000	50,000
Male	37,000	21,000	31,000	39,000	40,000	45,000	48,000	48,400	50,000
Female	30,000	20,000	29,900	38,000	40,000	30,000	35,000	S	S
White	35,300	19,900	30,000	38,500	40,000	43,900	48,000	47,000	50,000
Black	27,800	19,500	24,000	S	S	S	S	S	S
Hispanic	33,000	21,800	32,000	37,500	S	S	S	S	S
Asian/Pacific Islander	30,000	23,000	24,000	S	40,000	S	S	S	S
Other	36,900	36,000	S	S	S	S	S	S	S
Physical and related scientists	40,000	28,000	38,000	45,500	44,000	53,000	50,700	53,700	57,500
Male	42,000	28,000	38,000	47,000	46,500	53,000	55,900	54,400	60,000
Female	35,000	28,000	38,500	43,000	40,000	49,000	45,000	25,800	52,000
White	40,000	28,000	37,500	47,000	44,000	55,000	58,000	53,700	60,000
Black	40,000	30,000	40,000	44,500	45,000	S	S	S	S
Hispanic	31,000	28,100	S	33,000	S	S	S	S	S
Asian/Pacific Islander	37,000	27,000	43,000	38,000	40,000	30,000	43,000	S	48,000
Other	30,000	28,500	S	S	S	S	S	S	S
Social and related scientists	27,000	20,000	30,000	37,800	40,000	37,000	27,000	S	60,000
Male	30,000	25,000	34,500	34,000	45,000	25,000	S	S	70,000
Female	22,000	20,000	22,000	50,000	19,000	S	S	S	S
White	27,000	20,000	30,000	40,000	45,000	45,000	27,000	S	60,000
Black	22,500	22,000	S	37,800	12,000	S	S	S	S
Hispanic	25,000	22,500	S	S	S	S	S	S	S
Asian/Pacific Islander	24,000	20,000	S	S	S	S	S	S	S
Other	25,200	25,200	S	S	S	S	S	S	S
Engineers	50,000	38,000	47,500	53,500	58,000	60,000	63,600	61,000	60,000
Male	51,100	38,000	48,000	54,000	58,800	61,000	64,000	61,000	59,000
Female	44,800	38,000	46,000	50,000	51,200	52,000	49,000	63,000	S
White	51,000	37,800	48,000	54,000	58,400	62,000	65,000	62,000	59,000
Black	48,000	40,000	47,600	50,000	60,000	50,000	48,000	61,000	S
Hispanic	48,000	38,000	47,900	52,000	52,000	60,000	67,000	72,000	51,000
Asian/Pacific Islander	48,000	36,400	45,000	51,000	55,000	53,000	57,000	57,000	53,300
Other	58,000	38,000	48,000	58,000	62,000	S	S	S	S
Master's									
S&E occupations	53,500	44,000	52,000	60,000	59,000	63,100	64,000	55,000	56,000
Male	56,000	45,700	55,000	60,000	61,000	65,000	65,000	60,000	60,000
Female	43,600	37,500	44,000	50,500	45,000	53,000	50,000	43,400	33,000
White	54,500	44,000	53,000	60,000	59,000	63,100	65,000	55,000	56,000
Black	47,600	43,000	48,000	53,000	50,000	55,000	40,000	S	S
Hispanic	50,000	44,000	49,000	56,000	55,000	63,200	65,000	45,000	S
Asian/Pacific Islander	52,000	43,600	53,000	60,000	61,000	62,000	55,000	64,500	50,000
Other	48,000	39,000	48,000	S	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-28.

**Median annual salaries of individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)**

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Scientists	49,000	39,500	48,000	55,000	50,000	58,300	58,000	53,000	45,000
Male	52,000	41,000	50,200	60,000	55,900	62,100	60,000	55,000	50,000
Female	41,500	35,000	41,000	50,000	43,000	52,000	50,000	43,400	33,000
White	49,000	38,000	47,000	55,000	50,000	60,000	58,000	53,800	45,000
Black	41,000	36,000	46,000	47,500	46,000	46,000	S	S	S
Hispanic	47,000	37,600	45,700	55,000	48,000	54,000	S	S	S
Asian/Pacific Islander	50,000	43,000	50,000	60,600	60,000	50,000	55,000	S	S
Other	41,000	32,000	42,300	S	S	S	S	S	S
Computer/math scientists	55,000	45,700	55,000	62,000	56,800	65,000	63,000	52,000	43,300
Male	57,500	47,000	58,000	64,000	59,900	68,000	64,000	54,000	43,300
Female	50,000	42,000	48,000	58,000	52,000	60,000	52,400	S	S
White	55,600	45,700	56,000	62,000	56,700	65,000	64,000	54,000	43,300
Black	49,200	43,000	51,000	60,600	46,000	74,000	S	S	S
Hispanic	53,000	47,000	54,000	57,000	53,000	S	S	S	S
Asian/Pacific Islander	55,000	45,500	55,000	62,600	62,400	58,000	60,000	S	S
Other	41,000	25,000	S	S	S	S	S	S	S
Life and related scientists	40,000	31,000	35,000	45,000	44,000	48,000	45,000	50,000	S
Male	44,000	30,000	37,000	45,000	47,000	50,000	46,000	65,000	S
Female	35,000	32,300	32,000	42,300	36,000	45,000	29,500	43,400	S
White	41,000	31,000	37,000	45,000	S	S	S	S	S
Black	32,000	29,000	32,000	39,000	S	S	S	S	S
Hispanic	30,000	24,000	42,000	S	28,200	S	S	S	S
Asian/Pacific Islander	35,000	32,000	23,000	40,000	S	S	S	S	S
Other	50,000	S	S	S	S	S	S	S	S
Physical and related scientists	48,100	36,000	45,900	57,800	59,700	52,000	67,000	53,800	45,000
Male	50,000	36,000	45,000	57,800	62,000	55,000	67,000	65,000	45,000
Female	42,000	37,000	52,500	51,000	44,400	48,000	42,000	S	S
White	50,000	37,000	45,000	59,000	60,000	55,000	67,000	57,300	45,000
Black	40,500	35,000	46,000	S	S	S	S	S	S
Hispanic	45,000	16,000	45,000	52,000	S	S	S	S	S
Asian/Pacific Islander	43,000	35,000	50,000	47,000	44,000	47,800	53,000	S	S
Other	43,000	S	S	S	S	S	S	S	S
Social and related scientists	39,300	27,000	37,000	40,000	45,000	47,000	45,000	55,000	50,000
Male	40,000	28,600	37,000	40,000	48,600	48,000	45,000	62,000	62,000
Female	36,000	26,700	36,000	40,000	40,000	42,500	50,000	50,000	S
White	39,300	27,000	36,000	42,000	45,000	47,000	45,000	55,000	46,700
Black	36,100	23,000	40,000	30,000	49,000	S	S	S	S
Hispanic	38,000	35,000	44,000	60,000	S	S	S	S	S
Asian/Pacific Islander	40,000	27,000	40,000	S	53,700	S	S	S	S
Other	36,000	32,000	S	S	S	S	S	S	S
Engineers	59,500	48,400	58,000	62,200	67,700	68,000	70,000	61,000	62,000
Male	60,000	49,000	58,000	62,500	68,000	68,000	70,000	61,000	62,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-28.

Median annual salaries of individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Female	52,000	46,500	53,300	60,000	62,000	60,000	50,000	S	S
White	60,000	50,000	58,400	62,500	68,000	68,000	72,000	61,000	62,000
Black	54,000	48,000	48,000	65,000	90,000	S	S	S	S
Hispanic	53,500	47,000	52,800	68,000	69,900	66,000	65,000	S	S
Asian/Pacific Islander	55,000	44,200	55,900	60,000	62,000	65,000	60,000	65,000	54,600
Other	56,700	55,000	54,000	S	S	S	S	S	S
Doctorate									
S&E occupations	58,000	41,000	54,000	60,000	65,000	67,000	70,000	75,000	71,000
Male	60,000	45,000	55,000	60,000	67,000	68,000	70,000	75,000	71,000
Female	47,600	36,000	49,500	54,800	56,000	55,000	59,000	52,500	70,000
White	59,000	41,000	54,000	60,000	65,000	66,000	70,000	75,000	71,000
Black	50,000	40,000	48,000	50,000	65,000	57,000	63,000	79,300	24,000
Hispanic	50,500	40,000	50,000	61,000	57,300	60,000	70,000	75,000	139,000
Asian/Pacific Islander	56,000	43,000	56,000	64,000	68,000	70,000	70,000	76,000	70,000
Other	52,000	35,000	48,000	61,000	52,000	60,000	60,000	S	S
Scientists	55,000	38,000	51,000	58,000	62,400	64,000	68,500	74,500	70,000
Male	59,000	40,000	52,300	60,000	65,000	65,000	69,500	75,000	70,000
Female	46,700	35,600	48,600	54,000	55,000	55,000	59,000	52,500	70,000
White	56,000	38,000	51,300	58,000	62,400	64,000	68,500	74,300	70,000
Black	49,000	38,200	48,000	49,000	65,000	55,000	60,000	79,300	24,000
Hispanic	50,000	40,000	47,000	61,000	50,000	60,000	70,000	79,200	139,000
Asian/Pacific Islander	51,000	38,000	52,000	60,000	63,300	68,000	67,000	70,000	67,000
Other	50,000	35,000	43,000	61,300	50,000	60,000	60,000	S	S
Computer/math scientists	58,000	49,000	58,000	60,000	61,000	62,600	68,000	72,000	54,100
Male	60,000	52,000	60,000	60,000	65,000	63,000	67,800	73,000	54,100
Female	50,000	38,000	54,500	61,000	52,000	55,000	70,700	38,900	94,000
White	60,000	48,000	60,000	59,200	62,000	63,000	67,000	72,000	55,000
Black	48,200	49,200	48,000	61,000	48,000	55,000	55,000	S	S
Hispanic	48,000	40,000	49,200	85,000	50,000	49,900	S	S	S
Asian/Pacific Islander	56,000	54,000	57,000	61,800	60,000	55,000	73,500	70,000	S
Other	70,000	S	S	S	S	70,000	S	S	S
Life and related scientists	53,000	30,000	50,000	57,900	65,000	65,000	70,000	70,000	76,000
Male	56,000	31,500	50,000	58,000	65,500	67,500	71,000	70,000	78,000
Female	43,000	29,500	45,500	56,500	54,600	60,000	56,800	63,000	30,000
White	55,000	32,000	50,000	58,000	64,000	65,000	70,000	70,000	74,500
Black	47,000	25,000	45,000	49,000	70,000	46,500	50,000	S	S
Hispanic	45,000	30,000	42,000	61,000	59,000	59,000	80,000	S	S
Asian/Pacific Islander	45,000	28,800	50,000	57,900	67,000	66,000	67,000	77,200	70,000
Other	61,300	26,000	51,000	80,000	50,000	65,000	S	S	S
Physical and related scientists	60,000	40,000	56,000	62,500	70,000	70,000	72,000	78,000	73,200
Male	61,500	40,000	56,000	64,000	70,000	70,000	72,800	79,000	73,200

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-28.

Median annual salaries of individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Female	51,000	42,000	57,000	57,000	65,400	53,600	57,300	50,000	S
White	61,600	42,000	57,000	62,600	70,000	70,000	72,800	77,900	74,000
Black	47,000	40,000	59,000	48,000	65,000	68,000	S	S	S
Hispanic	56,000	40,000	58,000	52,000	68,800	60,000	72,400	S	S
Asian/Pacific Islander	52,000	39,000	51,000	64,100	63,200	67,600	60,000	79,000	S
Other	46,500	40,000	S	79,000	S	S	S	S	S
Social and related scientists	53,000	40,000	50,000	55,000	57,600	60,000	63,200	71,800	67,700
Male	56,000	41,300	50,900	55,000	58,700	61,000	65,000	75,000	66,000
Female	46,300	37,500	48,000	50,000	55,000	53,600	55,000	52,000	75,000
White	53,600	39,000	50,000	55,000	57,600	60,000	63,200	73,000	69,000
Black	53,000	39,000	51,000	53,000	65,000	72,000	66,000	S	S
Hispanic	47,000	41,000	45,000	49,000	55,000	70,000	70,000	S	S
Asian/Pacific Islander	50,000	45,000	49,500	50,900	53,000	100,000	72,000	61,000	S
Other	48,000	36,000	42,000	42,000	S	48,000	S	S	S
Engineers	65,000	55,000	61,700	68,000	75,000	80,000	76,000	80,000	80,000
Male	66,000	55,000	62,000	68,000	75,000	80,000	76,000	80,000	80,000
Female	59,400	58,200	54,000	65,000	66,000	77,000	S	S	S
White	67,000	57,000	62,000	69,000	75,000	80,000	76,000	80,000	82,000
Black	62,000	58,500	52,600	70,000	80,000	73,000	S	S	S
Hispanic	56,000	50,000	56,000	55,000	72,000	60,000	S	S	S
Asian/Pacific Islander	63,000	54,000	62,000	69,300	74,900	75,000	80,000	81,000	80,000
Other	60,000	45,000	S	S	S	60,000	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

NOTE: Median annual salaries are for full-time employment. Very large or very small values may reflect very small cell sizes and should be interpreted with caution.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1995.

Appendix table 3-29.

Median annual salaries of U.S. individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	
		All degree levels ^a							
S&E occupations	48,000	37,000	45,000	51,000	52,000	55,500	60,000	59,000	60,000
Male	50,000	38,000	46,000	52,000	53,500	57,600	60,000	60,000	61,000
Female	40,000	34,000	40,200	44,000	43,000	46,000	47,700	43,500	49,400
White	48,000	37,000	45,000	51,000	52,000	56,000	60,000	60,000	61,000
Black	40,000	34,000	41,000	45,000	44,400	44,000	56,200	52,400	40,000
Hispanic	43,000	35,400	44,200	48,000	50,000	51,500	62,200	52,000	52,000
Asian/Pacific Islander	48,000	38,300	48,000	54,000	55,600	54,000	54,000	54,100	54,800
Other	43,300	36,000	41,600	46,300	45,600	52,400	62,000	45,000	130,000
Scientists	44,900	34,500	42,200	48,000	50,000	52,000	55,000	53,000	60,000
Male	48,000	36,000	45,000	50,200	52,000	55,000	59,300	58,500	61,400
Female	39,000	32,000	39,400	43,000	42,300	45,000	47,200	43,600	50,000
White	45,000	34,500	42,000	48,000	50,000	53,000	56,400	54,000	60,000
Black	39,000	32,000	40,000	43,000	43,000	41,600	56,900	51,000	44,200
Hispanic	39,500	30,000	41,600	45,800	42,000	41,600	62,000	52,000	37,000
Asian/Pacific Islander	45,000	36,000	47,400	54,000	50,000	50,000	46,800	50,000	56,000
Other	41,600	36,000	41,600	45,000	42,500	52,400	50,000	S	S
Computer/math scientists	46,800	38,200	45,000	50,000	51,000	54,000	55,000	51,000	52,400
Male	49,000	39,600	46,800	52,000	53,000	55,000	58,000	54,000	57,000
Female	41,000	36,000	40,500	45,000	42,300	46,000	49,500	44,000	49,000
White	47,700	38,500	44,400	50,000	52,000	54,000	55,000	51,000	53,000
Black	40,000	33,000	41,000	44,000	42,000	50,000	59,100	52,400	40,000
Hispanic	42,000	35,000	45,000	49,000	42,000	37,000	60,000	28,800	S
Asian/Pacific Islander	47,000	40,000	50,000	55,000	50,100	49,200	49,500	39,000	43,000
Other	45,600	37,000	44,700	46,300	45,600	S	S	S	S
Life and related scientists	40,000	27,000	36,500	43,900	45,000	48,000	53,000	63,000	70,000
Male	42,500	27,600	39,500	45,000	45,700	48,000	55,000	63,000	72,300
Female	34,000	26,000	33,300	39,500	45,000	44,600	42,100	58,000	47,500
White	40,000	27,600	36,800	43,900	45,000	48,000	53,000	60,000	71,000
Black	37,000	28,800	35,400	41,000	44,000	42,200	49,000	S	S
Hispanic	35,000	23,500	37,000	39,000	37,000	40,000	62,000	S	60,000
Asian/Pacific Islander	39,900	26,000	32,400	50,000	50,000	55,000	48,400	63,000	81,000
Other	41,600	25,000	41,600	35,800	42,500	S	S	S	S
Physical and related scientists	45,000	31,200	42,000	50,000	52,000	55,000	62,300	54,100	57,000
Male	48,000	32,000	42,000	50,300	52,500	57,000	63,300	60,000	60,000
Female	37,500	30,000	40,000	43,000	43,000	41,100	45,900	32,800	49,300
White	45,800	31,600	42,000	50,000	52,000	56,000	65,000	55,000	60,000
Black	36,600	29,400	35,000	42,600	40,000	41,600	62,300	S	S
Hispanic	40,000	25,200	43,500	41,600	43,000	58,000	65,000	S	37,000
Asian/Pacific Islander	42,000	32,000	45,000	52,000	47,000	50,000	43,800	54,000	49,300
Other	35,000	33,400	S	35,000	67,600	44,000	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-29.

Median annual salaries of U.S. individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Social and related scientists	40,300	30,000	38,900	42,000	47,000	50,000	55,000	58,100	73,100
Male	45,000	31,000	40,000	45,800	50,000	52,000	58,000	55,000	70,000
Female	36,400	28,000	38,000	39,000	41,500	47,500	46,000	60,000	78,000
White	41,000	30,000	39,000	42,000	48,000	50,000	55,200	57,000	73,100
Black	34,200	30,000	35,000	38,400	44,400	34,200	34,000	S	S
Hispanic	36,000	32,500	33,000	46,000	40,000	51,000	53,000	S	S
Asian/Pacific Islander	42,000	35,000	43,000	48,000	43,200	46,000	30,000	61,000	S
Other	40,900	41,400	29,000	44,000	31,800	52,400	S	S	S
Engineers	50,000	40,000	47,000	53,600	56,000	60,000	60,000	60,000	61,000
Male	51,000	40,000	48,000	54,000	56,000	60,000	60,600	60,000	61,000
Female	43,200	39,000	45,000	51,000	48,400	48,000	51,000	37,400	49,400
White	50,100	40,000	47,000	54,000	56,000	60,000	62,000	61,200	61,400
Black	44,600	38,000	45,000	50,000	45,000	48,000	56,200	57,000	25,500
Hispanic	47,000	39,200	46,400	50,000	52,000	62,000	62,200	60,000	60,900
Asian/Pacific Islander	50,000	40,000	49,000	54,000	59,100	55,500	57,400	55,400	54,300
Other	49,700	39,600	45,000	59,000	55,000	S	S	S	S
Bachelor's									
S&E occupations	45,000	34,500	42,400	49,700	50,000	52,000	57,200	56,100	60,000
Male	46,800	35,000	43,700	50,000	51,000	53,300	59,000	58,000	60,000
Female	38,000	31,800	39,500	42,300	42,000	44,000	48,400	38,100	49,400
White	45,000	34,500	42,500	50,000	50,000	53,000	58,200	57,000	60,000
Black	40,000	32,000	40,000	44,000	43,000	42,200	57,600	49,900	40,000
Hispanic	40,100	33,000	42,400	46,000	47,000	43,000	60,100	51,400	52,000
Asian/Pacific Islander	43,000	35,000	44,500	48,000	50,000	46,700	50,000	51,800	52,000
Other	42,500	33,400	41,600	46,300	48,000	52,400	S	S	S
Scientists	41,000	30,500	40,000	46,000	47,000	48,000	52,200	50,000	54,300
Male	43,300	32,000	41,900	48,000	49,000	50,000	54,000	51,000	56,000
Female	36,500	29,000	37,500	41,000	41,600	43,000	48,400	39,000	49,000
White	41,600	30,500	40,000	46,000	48,000	49,300	52,900	50,000	55,000
Black	36,500	30,000	39,200	41,400	41,600	41,400	59,100	49,900	40,000
Hispanic	36,000	26,800	39,000	44,700	41,000	39,800	65,000	S	S
Asian/Pacific Islander	40,800	34,000	44,000	48,000	45,600	42,000	36,600	31,200	44,000
Other	41,600	33,400	41,600	46,300	S	52,400	S	S	S
Computer/math scientists	44,000	35,000	42,000	48,200	50,000	51,200	54,000	51,000	53,000
Male	46,500	35,000	44,000	50,000	51,500	53,000	58,200	52,400	58,000
Female	40,000	33,600	40,000	43,000	41,000	43,500	49,500	41,000	49,000
White	45,000	35,000	42,000	49,000	50,000	52,000	54,600	51,000	53,000
Black	38,500	31,200	40,000	43,400	41,600	45,500	59,100	51,000	S
Hispanic	39,800	32,500	42,000	48,000	45,000	31,000	S	S	S
Asian/Pacific Islander	42,000	36,000	45,000	49,000	46,000	43,500	39,000	30,000	49,000
Other	44,700	33,800	44,700	46,300	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-29.

Median annual salaries of U.S. individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Life and related scientists	32,200	23,500	30,000	35,300	38,000	36,700	46,000	47,800	53,000
Male	34,000	24,000	31,200	37,400	36,400	36,700	45,000	50,000	56,000
Female	30,000	22,800	28,000	34,600	43,000	35,000	52,500	S	29,000
White	32,200	24,000	29,100	35,100	37,300	36,000	46,000	46,200	56,000
Black	35,000	23,000	30,900	40,900	37,400	41,400	S	S	S
Hispanic	27,700	16,500	36,000	37,400	S	39,800	S	S	S
Asian/Pacific Islander	28,000	23,500	24,000	32,200	47,900	25,000	48,400	S	S
Other	41,600	S	S	S	S	S	S	S	S
Physical and related scientists	37,500	27,500	36,000	41,600	45,000	48,000	50,000	49,700	55,000
Male	38,900	27,300	36,000	42,800	46,100	49,100	55,000	50,000	55,000
Female	34,500	28,400	35,000	39,500	43,000	35,400	42,500	38,100	49,300
White	38,000	27,500	36,400	42,000	47,000	49,100	52,800	50,000	55,000
Black	36,000	25,500	34,000	42,600	36,000	42,100	S	S	S
Hispanic	30,000	25,200	25,000	40,300	25,000	S	S	S	S
Asian/Pacific Islander	33,300	31,000	33,000	31,200	41,600	36,600	33,300	34,000	S
Other	35,000	S	S	S	S	S	S	S	S
Social and related scientists	27,400	20,000	27,800	30,200	41,600	43,000	35,700	S	104,000
Male	30,000	22,700	30,000	36,000	44,400	36,000	49,000	S	100,000
Female	26,000	19,200	27,000	30,200	39,700	50,000	S	S	S
White	27,000	20,600	27,400	30,200	41,600	45,700	52,000	S	104,000
Black	28,700	20,000	31,000	32,000	43,000	33,700	S	S	S
Hispanic	28,500	17,700	29,700	S	S	S	S	S	S
Asian/Pacific Islander	30,000	20,000	S	S	S	S	S	S	S
Other	52,400	S	S	S	S	S	S	S	S
Engineers	48,000	36,500	45,000	52,000	52,000	55,100	60,000	60,000	60,000
Male	49,000	36,500	45,000	52,000	52,000	56,000	60,000	60,000	60,000
Female	41,600	37,000	44,200	48,000	45,800	48,500	51,000	27,700	68,600
White	48,900	36,600	45,000	52,000	52,000	57,200	60,000	60,000	60,900
Black	42,000	36,400	43,600	48,300	44,000	48,000	50,000	47,000	S
Hispanic	43,700	37,100	44,000	49,000	51,000	57,200	60,000	51,400	60,900
Asian/Pacific Islander	45,000	36,000	45,000	48,900	50,800	49,500	54,000	52,200	53,000
Other	49,700	34,000	40,000	59,000	54,600	S	S	S	S
Master's									
S&E occupations	50,000	43,000	50,000	55,200	56,700	60,000	60,000	60,000	60,000
Male	52,300	44,800	52,000	58,700	59,100	62,000	60,000	62,100	60,000
Female	42,000	38,000	44,000	45,500	43,200	44,000	44,000	50,000	49,400
White	50,400	43,000	50,000	55,200	56,700	60,000	59,800	60,000	60,000
Black	44,000	40,000	43,000	47,000	52,000	46,000	38,000	60,000	S
Hispanic	48,000	42,000	50,000	54,500	50,100	60,000	62,000	45,000	S
Asian/Pacific Islander	50,000	41,100	51,500	57,500	58,900	60,000	60,000	60,000	45,000
Other	42,000	42,000	36,000	S	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-29.

**Median annual salaries of U.S. individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)**

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree						
		1-4	5-9	10-14	15-19	20-24	25-29	30-34
Scientists	46,500	40,000	47,000	50,000	50,000	52,700	53,000	50,000
Male	50,000	42,000	50,000	55,600	52,000	56,000	55,500	50,700
Female	40,800	35,000	43,000	43,700	42,000	44,000	42,000	50,000
White	47,000	40,000	47,000	50,000	50,600	54,000	53,000	50,000
Black	40,000	36,000	40,000	42,000	43,000	39,800	37,000	S
Hispanic	40,000	35,000	45,000	49,900	39,500	40,000	S	S
Asian/Pacific Islander	47,700	40,000	51,000	57,500	48,000	50,300	57,000	66,600
Other	36,000	42,000	S	S	S	S	S	S
Computer/math scientists	50,800	45,000	52,000	55,100	56,700	57,200	53,700	50,000
Male	53,000	46,000	55,000	60,000	59,300	60,000	57,000	60,000
Female	45,000	42,000	47,000	48,000	50,000	50,600	46,800	50,000
White	52,000	45,000	52,000	55,000	58,200	57,200	51,800	50,000
Black	44,000	40,000	44,400	45,700	50,000	S	S	S
Hispanic	48,000	41,600	55,000	54,000	39,500	S	S	S
Asian/Pacific Islander	50,000	44,000	54,600	58,100	55,400	55,100	57,200	S
Other	42,000	42,000	S	S	S	S	S	S
Life and related scientists	38,000	28,000	36,000	44,300	44,000	45,100	42,000	45,000
Male	40,300	27,500	37,000	45,000	45,000	45,100	48,500	50,700
Female	34,700	28,300	33,500	41,600	40,400	42,000	33,600	S
White	38,300	28,000	36,000	45,000	43,500	45,100	42,000	45,000
Black	35,400	36,000	35,000	35,400	S	S	S	S
Hispanic	37,000	26,000	37,000	36,500	S	S	S	S
Asian/Pacific Islander	35,000	26,700	24,000	47,400	45,000	43,700	S	S
Other	S	S	S	S	S	S	S	S
Physical and related scientists	46,800	36,000	47,000	60,000	50,300	51,000	60,400	51,000
Male	48,000	38,200	45,600	60,000	52,400	56,000	60,400	61,800
Female	40,000	30,000	55,000	46,000	47,000	41,100	82,100	S
White	48,000	38,000	47,800	60,000	52,400	53,600	60,400	50,000
Black	39,000	33,000	44,000	S	S	S	S	S
Hispanic	39,000	13,500	S	S	S	S	S	S
Asian/Pacific Islander	40,000	30,000	41,000	52,000	47,000	48,600	48,000	S
Other	S	S	S	S	S	S	S	S
Social and related scientists	38,700	30,000	36,000	39,000	43,400	45,000	54,500	46,000
Male	40,000	30,000	33,300	41,600	47,000	48,000	55,000	46,000
Female	37,600	30,000	37,000	38,000	40,000	37,500	46,000	60,000
White	39,000	30,000	37,000	38,400	45,000	46,000	55,000	46,000
Black	32,000	30,000	31,500	40,000	38,400	37,100	S	S
Hispanic	35,000	33,000	33,000	50,700	S	S	S	S
Asian/Pacific Islander	39,000	28,300	S	48,000	S	S	S	S
Other	30,500	S	S	S	S	S	S	S
Engineers	55,200	46,000	55,000	60,000	62,400	65,800	65,000	68,200
Male	56,500	46,000	55,000	60,000	62,400	67,000	65,000	69,900
								66,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-29.

Median annual salaries of U.S. individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Female	48,100	44,500	52,000	55,900	65,600	42,300	60,000	50,500	S
White	56,200	46,800	55,000	60,000	63,600	67,200	66,900	71,200	64,500
Black	52,000	44,500	51,000	57,600	62,000	S	S	S	S
Hispanic	52,000	46,000	51,000	60,000	55,900	72,000	72,000	S	S
Asian/Pacific Islander	52,200	43,000	52,000	57,300	60,400	60,300	60,000	60,000	S
Other	49,000	49,000	49,000	S	S	S	S	S	S
Doctorate									
S&E occupations	54,800	41,000	50,000	56,700	60,000	64,000	68,800	70,000	76,000
Male	57,000	43,000	52,000	59,100	60,000	65,000	70,000	70,600	77,500
Female	45,000	37,700	45,000	50,100	52,000	58,600	57,400	60,000	64,000
White	55,000	41,600	50,000	55,200	60,000	63,000	69,000	70,000	75,600
Black	46,200	40,000	49,200	50,400	49,000	58,000	51,000	61,000	S
Hispanic	50,000	37,000	45,200	51,000	55,000	66,300	65,000	135,000	110,000
Asian/Pacific Islander	54,000	40,000	53,000	62,500	65,000	66,000	70,000	70,000	81,000
Other	45,000	37,000	39,000	44,700	46,300	60,000	60,500	S	S
Scientists	52,000	38,000	48,000	54,000	58,000	61,000	65,000	70,000	74,900
Male	55,000	39,000	50,000	56,000	60,000	61,900	67,000	70,000	75,000
Female	44,300	36,600	44,800	50,000	51,700	58,000	57,000	60,000	64,000
White	52,500	39,500	48,000	54,000	58,000	61,000	66,000	70,000	73,600
Black	46,000	38,000	48,000	50,000	52,000	58,000	51,000	61,000	S
Hispanic	47,000	35,100	44,000	51,000	50,000	70,000	69,700	135,000	110,000
Asian/Pacific Islander	50,000	36,000	49,600	57,200	59,600	61,900	64,000	70,000	82,300
Other	44,900	37,000	39,000	44,000	45,600	60,000	44,900	S	S
Computer/math scientists	55,800	46,400	52,300	57,000	60,000	62,800	63,000	68,500	56,000
Male	57,600	50,000	54,000	57,000	61,400	62,700	63,000	68,500	56,000
Female	48,000	41,000	48,000	57,300	47,000	62,800	64,000	S	S
White	56,000	47,200	51,000	55,400	60,000	62,800	63,000	67,000	56,000
Black	45,000	44,000	75,000	60,000	60,000	51,000	S	S	S
Hispanic	47,000	38,500	48,000	45,000	50,000	S	S	S	S
Asian/Pacific Islander	56,300	50,000	55,000	62,000	68,000	65,500	63,000	96,000	S
Other	45,600	S	S	S	45,600	S	S	S	S
Life and related scientists	50,000	32,500	46,000	55,000	59,000	62,000	66,500	75,000	79,500
Male	53,000	33,300	47,000	56,000	60,000	62,300	68,500	76,000	80,000
Female	41,600	30,400	45,000	49,100	50,000	60,000	63,000	55,000	64,000
White	51,200	35,000	47,000	55,000	58,500	62,000	66,600	74,000	78,000
Black	46,200	34,000	46,200	40,000	60,000	44,000	48,000	S	S
Hispanic	40,000	26,000	36,000	60,000	59,000	58,000	150,000	S	110,000
Asian/Pacific Islander	44,000	26,400	41,000	56,800	59,000	60,000	58,200	63,000	65,000
Other	41,500	25,000	51,000	S	45,900	S	S	S	S
Physical and related scientists	58,000	40,000	54,000	60,000	65,000	65,300	70,000	72,000	72,000
Male	59,800	40,000	55,000	61,800	65,000	66,000	71,000	72,800	74,900

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-29.

Median annual salaries of U.S. individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Female	48,000	41,600	48,500	52,000	58,200	47,300	52,000	63,300	65,000
White	60,000	43,000	54,100	61,000	65,300	66,000	71,000	72,000	74,000
Black	41,600	32,600	43,500	50,000	58,000	58,000	S	S	S
Hispanic	52,000	45,200	58,000	50,000	43,000	70,000	S	S	S
Asian/Pacific Islander	51,500	34,000	54,000	59,200	62,000	65,000	65,000	80,000	S
Other	57,500	S	S	S	67,600	S	S	S	S
Social and related scientists	49,000	40,000	45,000	49,500	52,000	58,000	60,000	62,000	77,500
Male	50,600	40,000	47,000	50,000	52,300	59,000	62,000	63,000	77,500
Female	44,000	38,700	43,000	48,000	52,000	53,600	55,600	60,000	66,000
White	49,300	40,000	45,000	49,500	53,000	57,000	60,000	64,000	72,000
Black	46,500	38,000	44,000	52,000	48,000	59,000	52,000	S	S
Hispanic	48,200	40,000	43,600	51,000	53,400	73,000	50,000	S	S
Asian/Pacific Islander	47,000	41,000	43,200	48,800	42,000	52,000	80,000	S	S
Other	43,800	40,000	34,300	44,000	46,300	59,500	S	S	S
Engineers	63,500	52,000	61,000	68,000	70,000	73,000	77,500	77,000	90,000
Male	64,000	52,000	61,000	68,000	70,000	73,700	78,000	77,000	90,000
Female	57,000	50,800	60,000	65,000	69,800	60,000	S	S	S
White	65,000	53,000	60,300	67,000	70,000	73,700	77,500	78,000	90,000
Black	50,000	52,000	61,400	64,800	40,000	S	S	S	S
Hispanic	60,000	55,000	51,000	60,000	60,000	60,000	S	S	S
Asian/Pacific Islander	60,500	50,000	62,000	70,000	71,000	73,800	79,000	S	65,000
Other	60,000	45,000	S	S	75,000	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

NOTE: Median annual salaries are for full-time employment. Very large or very small values may reflect very small cell sizes and should be interpreted with caution.

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993.

Appendix table 3-30.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
		All degree levels^a							
S&E degree fields	51,000	35,000	48,000	59,000	60,700	59,000	60,000	63,000	60,000
Male	59,000	40,000	52,000	62,000	67,600	64,200	67,200	70,000	65,000
Female	38,600	30,000	39,000	46,000	45,000	43,100	42,500	42,300	41,000
White	52,000	35,000	48,000	60,000	62,700	60,000	63,000	65,000	60,000
Black	40,000	32,000	35,800	45,000	44,000	45,000	46,000	41,000	45,000
Hispanic	43,000	33,000	44,000	50,000	53,000	55,000	55,000	56,000	50,000
Asian/Pacific Islander	55,000	47,000	58,000	64,000	61,000	59,000	60,000	55,000	52,800
Other	41,000	35,000	40,000	58,000	50,000	46,900	51,000	61,000	51,400
Sciences	45,000	32,000	42,000	52,000	55,000	52,900	55,000	59,000	53,000
Male	52,000	35,000	46,000	58,000	62,500	58,800	60,000	63,000	60,000
Female	37,000	29,000	36,500	45,000	44,000	43,000	42,500	42,000	41,000
White	47,000	31,000	42,000	52,000	57,000	54,100	56,000	60,000	55,000
Black	37,000	30,000	34,000	42,000	40,000	43,100	46,000	41,000	45,000
Hispanic	39,000	30,000	40,000	48,000	44,000	54,000	46,000	40,000	40,000
Asian/Pacific Islander	50,000	40,000	52,000	60,300	55,000	50,000	50,000	51,000	47,000
Other	39,000	33,000	35,000	52,000	46,000	46,900	51,000	61,000	50,000
Computer/math sciences	61,600	48,000	58,000	65,000	71,000	71,000	66,000	75,000	50,000
Male	65,000	50,000	60,000	69,000	74,000	75,000	68,000	80,000	68,400
Female	52,000	42,000	50,300	59,000	60,000	52,000	53,600	64,000	46,700
White	63,000	46,500	58,000	68,000	72,000	73,000	66,000	78,000	50,000
Black	49,900	42,000	50,000	50,000	55,500	48,000	59,000	64,000	S
Hispanic	52,000	45,000	60,000	52,000	67,500	89,000	72,000	15,600	S
Asian/Pacific Islander	63,000	56,000	65,000	67,000	75,000	68,000	69,000	60,000	92,000
Other	55,000	55,000	40,000	52,000	S	29,000	S	S	S
Life and related science	41,000	28,000	38,400	45,000	52,000	50,000	50,000	50,000	50,000
Male	46,000	30,000	40,000	48,000	55,500	53,900	52,000	57,400	53,000
Female	35,900	27,000	36,000	42,000	43,000	43,300	40,000	40,000	43,300
White	42,000	28,000	39,000	45,000	53,000	50,000	50,000	50,000	53,000
Black	36,000	27,300	33,300	40,000	46,000	41,500	45,000	40,000	45,000
Hispanic	36,000	29,800	36,000	46,000	43,000	55,000	49,000	40,000	50,000
Asian/Pacific Islander	41,600	32,000	45,000	51,900	50,000	45,000	52,000	45,300	48,000
Other	36,000	29,000	39,000	58,000	40,000	46,900	41,000	S	S
Physical and related sciences	56,000	33,800	50,000	58,000	65,000	65,000	65,000	70,000	65,000
Male	60,000	35,000	52,000	59,300	68,000	68,000	65,000	75,000	70,000
Female	42,000	30,000	41,000	51,900	56,000	48,500	52,000	40,000	41,000
White	58,000	32,000	48,500	58,500	67,000	68,000	65,000	75,000	66,000
Black	44,000	37,000	48,000	48,000	56,000	37,000	43,000	50,000	62,000
Hispanic	43,000	32,000	43,000	51,000	45,000	52,000	40,000	82,000	43,000
Asian/Pacific Islander	55,000	47,000	57,500	60,000	48,500	55,000	50,000	54,000	65,000
Other	50,000	32,500	60,000	68,200	30,000	29,000	51,000	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-30.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Social and related science	40,000	30,000	38,000	45,000	48,000	50,000	51,900	52,000	50,000
Male	48,000	33,600	40,000	50,400	55,000	53,000	60,000	59,700	60,000
Female	35,000	28,000	35,000	41,000	41,000	41,000	41,000	42,000	40,000
White	42,000	30,000	39,000	47,000	50,000	50,000	53,000	53,000	52,000
Black	35,000	29,000	31,200	40,000	36,300	43,000	44,000	40,000	28,200
Hispanic	36,000	30,000	40,000	43,000	40,000	48,000	45,000	42,900	40,000
Asian/Pacific Islander	39,000	35,000	42,000	50,000	34,500	42,000	42,000	46,000	30,000
Other	37,000	33,000	35,000	42,000	46,000	55,000	58,000	S	S
Engineering	65,000	49,000	60,000	69,000	72,000	75,000	78,800	75,000	69,000
Male	67,000	50,000	60,000	69,500	73,000	75,000	79,200	75,000	70,000
Female	55,000	47,000	58,000	65,000	60,300	60,000	41,000	56,400	52,000
White	67,000	48,000	60,000	70,000	73,000	75,900	80,000	80,000	70,000
Black	55,000	45,000	56,000	62,000	65,000	63,000	53,000	S	45,000
Hispanic	56,500	46,000	55,000	60,000	62,300	74,000	72,400	60,000	70,500
Asian/Pacific Islander	61,000	54,000	63,200	68,800	69,600	70,000	70,000	62,000	59,000
Other	60,000	44,000	55,000	63,000	60,000	73,000	S	S	S
Bachelor's									
S&E degree fields	48,000	32,000	44,000	55,000	60,000	54,000	58,000	60,000	58,800
Male	55,000	37,000	48,000	60,000	65,000	60,000	63,000	65,000	63,000
Female	35,000	28,000	35,000	45,000	42,400	40,000	40,000	41,700	41,000
White	50,000	32,000	45,000	56,100	60,000	56,000	60,000	62,000	60,000
Black	37,000	30,000	34,000	43,000	41,000	42,000	46,000	41,000	43,800
Hispanic	40,000	31,500	40,700	50,000	48,000	54,300	49,000	50,000	50,000
Asian/Pacific Islander	48,000	39,000	50,000	59,000	54,000	50,000	50,000	50,100	50,000
Other	39,000	33,000	35,000	57,000	50,000	46,900	51,000	50,000	50,000
Sciences	42,000	30,000	39,500	50,000	52,000	50,000	50,000	54,000	50,000
Male	50,000	33,000	42,000	54,200	60,000	54,100	56,600	60,000	60,000
Female	35,000	27,000	35,000	42,000	40,000	40,000	40,000	41,000	41,000
White	43,000	29,500	40,000	50,000	54,500	50,500	51,600	57,000	52,000
Black	35,000	29,000	32,300	40,000	37,000	42,000	45,000	40,000	40,000
Hispanic	36,000	30,000	37,000	47,000	43,000	48,000	45,000	38,700	40,000
Asian/Pacific Islander	41,000	35,000	45,000	59,000	45,000	45,000	45,000	46,000	46,000
Other	36,000	29,000	30,000	40,500	46,000	42,000	51,000	50,000	50,000
Computer/math sciences	60,000	44,000	54,000	63,700	70,000	70,000	62,000	72,200	50,000
Male	62,500	46,000	57,000	66,000	72,000	73,000	63,400	80,000	58,000
Female	50,000	38,000	50,000	58,000	60,000	51,000	51,600	65,600	46,700
White	60,000	44,000	55,000	65,000	70,000	72,000	62,000	73,000	50,000
Black	47,300	40,000	45,000	49,900	55,500	48,000	59,000	S	S
Hispanic	50,000	45,000	59,000	51,000	62,000	96,000	S	S	S
Asian/Pacific Islander	58,000	47,000	52,000	63,000	70,000	68,000	66,000	65,000	S
Other	40,000	45,000	S	39,000	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-30.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Life and related sciences	38,000	27,000	35,000	40,000	46,500	46,000	46,000	45,300	50,000
Male	42,000	28,000	36,000	42,500	53,800	50,000	50,000	50,000	50,000
Female	33,000	26,000	33,000	38,000	39,900	40,000	39,000	38,000	43,300
White	39,000	26,600	35,000	40,000	48,000	47,000	48,000	50,000	50,000
Black	35,000	25,500	32,000	36,000	41,700	40,000	45,000	50,000	45,000
Hispanic	35,000	28,500	35,000	46,000	43,000	54,000	40,000	29,000	S
Asian/Pacific Islander	38,000	30,000	36,000	45,000	45,000	42,000	45,000	42,000	41,600
Other	34,000	29,000	25,000	S	S	S	S	S	S
Physical and related sciences	50,000	30,000	42,000	50,000	58,000	59,000	60,000	60,000	65,000
Male	53,000	31,000	45,000	50,000	60,000	60,500	60,000	70,000	65,000
Female	38,000	27,500	37,000	48,000	46,000	42,300	51,600	39,000	41,000
White	51,000	28,500	41,600	52,000	60,700	62,000	60,000	70,000	65,000
Black	43,000	36,000	48,000	43,000	44,000	42,000	43,000	38,000	62,000
Hispanic	41,000	30,000	35,000	47,000	58,000	45,000	39,900	S	43,000
Asian/Pacific Islander	42,500	38,000	50,000	35,000	39,000	41,400	48,000	51,000	65,000
Other	40,500	32,500	S	S	S	S	S	S	S
Social and related sciences	39,000	28,800	36,000	44,000	45,000	46,000	50,000	52,000	50,000
Male	45,000	32,000	40,000	50,000	53,000	51,400	58,000	57,200	58,000
Female	32,000	26,900	32,300	40,000	39,000	39,000	40,000	41,000	40,000
White	40,000	28,000	37,000	44,900	48,000	48,100	50,000	52,000	50,000
Black	33,000	27,100	31,000	33,000	35,000	42,000	43,500	40,000	28,200
Hispanic	35,000	28,800	37,000	42,000	38,600	45,000	45,000	50,000	40,000
Asian/Pacific Islander	37,000	33,000	42,000	48,000	30,000	43,000	39,500	46,000	30,000
Other	35,000	30,000	28,800	38,000	46,000	42,000	63,000	S	S
Engineering	62,000	45,000	57,000	65,000	70,000	71,000	75,000	72,000	66,000
Male	63,100	45,000	57,000	65,000	71,000	72,000	75,400	72,000	67,000
Female	52,000	45,000	56,000	62,000	60,000	54,000	36,000	56,400	50,000
White	65,000	45,000	58,000	66,500	72,000	73,000	77,500	75,000	68,000
Black	53,700	45,000	54,000	60,000	65,000	57,700	53,000	S	S
Hispanic	55,000	45,000	51,000	59,000	60,000	74,000	70,000	60,000	70,500
Asian/Pacific Islander	54,200	46,000	55,000	59,000	60,000	60,000	60,000	54,200	52,800
Other	57,000	41,000	55,000	63,000	60,000	73,000	S	S	S
Master's									
S&E degree fields	60,000	47,000	60,000	63,500	63,000	63,000	68,000	67,000	72,100
Male	65,000	52,000	64,000	70,000	73,000	71,400	71,000	75,000	73,000
Female	45,000	38,500	47,000	50,000	50,000	50,000	48,000	44,700	40,000
White	60,000	45,000	58,000	63,000	63,000	63,200	68,000	68,000	72,000
Black	48,000	42,000	49,400	45,000	55,000	53,500	45,000	50,000	S
Hispanic	52,000	40,000	55,000	61,000	58,000	60,000	72,400	75,000	S
Asian/Pacific Islander	63,500	57,000	67,200	70,000	73,000	60,000	70,000	72,800	85,000
Other	53,000	45,000	50,000	58,000	39,000	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-30.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Sciences	52,000	40,000	51,000	54,800	58,000	58,000	60,000	60,000	59,700
Male	60,000	46,000	59,000	60,000	68,000	60,000	64,000	61,000	72,100
Female	44,000	36,000	44,000	48,000	49,000	50,000	48,000	44,000	39,000
White	52,000	38,300	50,000	54,000	58,500	59,000	60,000	60,000	60,000
Black	45,000	37,000	46,000	45,000	51,000	50,000	45,000	50,000	S
Hispanic	45,000	36,000	45,000	53,000	45,000	59,000	54,000	40,000	S
Asian/Pacific Islander	60,000	55,000	65,500	65,000	70,000	48,500	50,000	55,000	48,000
Other	45,000	35,000	48,000	58,000	39,000	S	S	S	S
Computer/math sciences	69,000	60,000	65,000	74,000	80,000	75,000	79,000	78,000	87,000
Male	71,000	60,000	68,000	80,000	82,000	78,000	80,000	80,000	90,000
Female	60,000	55,000	58,000	63,000	69,000	64,000	56,100	56,000	S
White	69,600	58,000	63,000	75,000	80,000	75,400	79,000	80,000	87,000
Black	61,000	54,800	63,000	64,000	70,000	54,000	S	S	S
Hispanic	70,000	50,000	70,000	70,000	80,000	S	S	S	S
Asian/Pacific Islander	69,000	60,000	72,000	72,000	80,000	66,000	97,700	S	S
Other	55,000	S	S	S	S	S	S	S	S
Life and related sciences	46,400	34,000	42,000	44,000	54,000	50,000	50,000	52,000	58,000
Male	49,000	35,000	42,000	43,000	61,000	53,000	52,000	60,000	72,000
Female	42,000	34,000	41,000	44,300	49,500	48,000	48,000	41,000	S
White	47,500	34,000	40,700	44,000	56,000	52,000	50,000	55,500	40,000
Black	47,500	30,000	49,400	44,000	52,000	50,000	51,000	S	S
Hispanic	44,000	30,000	40,000	46,000	S	70,000	S	S	S
Asian/Pacific Islander	42,400	35,000	48,000	42,500	51,000	39,000	43,800	S	S
Other	40,000	S	S	S	S	S	S	S	S
Physical and related sciences	57,500	38,000	55,000	65,000	72,000	67,400	60,000	59,000	60,000
Male	60,000	35,000	60,000	68,000	72,000	70,000	60,000	67,500	74,000
Female	45,000	40,000	46,000	51,900	60,000	60,600	57,000	40,000	S
White	60,000	36,000	55,000	68,000	73,000	70,000	60,000	59,000	69,000
Black	50,000	45,000	44,700	S	S	S	S	S	S
Hispanic	43,000	32,000	52,000	S	31,200	S	S	S	S
Asian/Pacific Islander	53,000	50,000	56,000	60,000	51,000	50,000	42,000	55,000	S
Other	39,000	S	S	S	S	S	S	S	S
Social and related sciences	45,000	36,000	44,000	48,000	49,000	53,000	55,000	50,000	47,000
Male	52,000	38,000	48,900	51,000	60,000	58,500	60,000	60,000	55,500
Female	41,000	35,000	42,000	45,000	45,000	49,900	44,000	44,700	S
White	46,900	35,200	44,000	48,000	49,000	54,000	56,000	50,000	55,500
Black	43,000	35,000	42,000	43,600	50,000	55,000	44,000	S	S
Hispanic	42,000	35,000	44,000	42,000	45,000	54,000	S	S	S
Asian/Pacific Islander	40,000	40,000	36,500	61,000	35,000	41,700	50,000	S	S
Other	40,000	33,000	41,000	S	S	S	S	S	S
Engineering	70,000	56,000	67,000	75,000	79,000	84,000	85,000	90,000	75,500
Male	72,000	56,000	68,000	76,500	80,000	85,000	85,000	90,000	75,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-30.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Female	61,000	53,000	64,000	75,000	72,000	72,500	61,000	S	S
White	73,000	55,000	67,000	75,300	80,000	87,000	90,000	90,000	74,000
Black	60,000	53,000	68,200	75,000	78,000	63,000	S	S	S
Hispanic	64,000	50,000	66,000	74,000	78,000	65,000	72,400	S	S
Asian/Pacific Islander	68,000	57,900	68,000	76,000	75,000	74,000	75,000	80,000	85,000
Other	60,000	54,000	62,000	S	S	S	S	S	S
Doctorate									
S&E degree fields	70,000	50,000	62,000	70,000	78,000	82,500	85,000	90,000	89,000
Male	75,000	55,000	65,000	73,000	80,000	84,500	87,600	90,000	90,000
Female	56,000	43,000	54,300	60,000	67,000	71,600	72,000	80,000	75,000
White	70,000	48,000	60,000	70,000	77,000	82,000	85,000	90,000	89,100
Black	60,000	46,000	56,000	60,000	71,500	76,000	75,000	100,000	55,000
Hispanic	62,000	41,000	60,000	60,000	85,000	90,000	90,000	85,000	135,000
Asian/Pacific Islander	70,000	58,000	68,000	75,000	82,000	85,000	88,000	98,000	85,000
Other	65,000	60,000	49,000	53,000	65,000	80,000	78,000	61,000	S
Sciences	67,000	45,000	57,800	66,000	75,000	80,000	82,000	88,000	86,000
Male	71,000	46,000	60,000	70,000	78,900	82,000	84,300	89,000	89,000
Female	55,000	41,000	53,000	60,000	67,000	70,000	72,000	80,000	75,000
White	68,000	44,000	57,000	66,600	75,000	80,000	82,000	88,000	87,000
Black	59,000	45,000	53,500	59,000	70,000	74,000	75,000	100,000	55,000
Hispanic	60,000	40,000	56,000	58,000	85,000	85,000	89,500	85,000	135,000
Asian/Pacific Islander	64,000	46,000	60,500	68,000	75,000	80,000	82,000	85,000	85,000
Other	61,000	60,000	49,000	49,000	65,000	80,000	68,500	61,000	S
Computer/math sciences	72,800	64,000	67,000	74,000	76,000	75,000	83,000	83,000	90,000
Male	75,000	66,000	70,000	75,000	78,000	77,000	85,000	83,000	92,000
Female	64,600	50,000	62,000	70,000	72,000	70,000	68,000	69,900	S
White	73,000	59,000	63,500	73,200	75,000	75,600	83,200	83,000	85,000
Black	67,000	65,000	58,000	74,000	75,000	70,000	80,000	S	S
Hispanic	72,000	60,000	65,000	57,400	95,000	114,000	72,000	85,000	S
Asian/Pacific Islander	70,000	66,500	70,000	75,700	80,000	70,000	85,000	69,100	92,000
Other	80,000	80,000	S	S	S	S	S	S	S
Life and related sciences	64,000	36,000	55,000	65,000	76,000	82,000	80,800	95,000	82,000
Male	68,000	36,000	58,000	67,000	80,000	85,000	82,200	95,000	85,000
Female	55,000	36,000	53,000	63,000	69,000	72,000	80,000	89,100	53,000
White	65,000	36,900	55,000	67,000	75,000	82,000	82,000	93,000	85,000
Black	57,000	43,000	60,000	53,000	65,000	77,000	75,000	96,000	84,000
Hispanic	62,000	38,000	60,000	46,000	120,000	108,000	128,500	95,000	S
Asian/Pacific Islander	56,000	34,000	55,000	66,000	82,000	80,000	80,000	100,000	42,700
Other	61,000	35,000	54,000	65,000	108,000	63,000	S	S	S
Physical and related sciences	75,000	52,000	65,000	72,900	84,000	87,500	90,000	90,000	92,000
Male	78,000	53,000	65,000	75,000	85,000	88,500	90,000	90,000	93,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-30.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1999
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1–4	5–9	10–14	15–19	20–24	25–29	30–34	35 or more
Female	63,000	50,000	63,000	59,000	79,000	84,000	79,400	65,400	83,000
White	77,000	50,000	65,000	72,000	86,000	88,000	90,000	90,000	92,000
Black	67,000	42,900	70,000	67,000	76,000	75,000	85,000	S	S
Hispanic	70,000	46,000	62,000	81,000	80,000	85,000	76,000	85,000	S
Asian/Pacific Islander	70,000	60,000	70,000	73,000	73,000	87,000	88,000	80,000	100,000
Other	78,000	58,000	52,000	S	66,500	88,500	S	S	S
Social and related sciences	62,000	45,600	53,000	61,000	68,800	72,000	76,000	76,000	83,000
Male	68,000	48,000	55,000	63,500	71,200	75,000	79,500	77,000	84,000
Female	54,000	43,000	51,000	58,000	60,600	67,600	70,000	73,000	80,000
White	62,800	45,000	54,000	61,200	69,500	72,000	75,000	76,100	83,000
Black	57,000	46,000	50,000	59,000	69,000	74,000	70,000	103,000	S
Hispanic	53,000	42,000	53,000	52,500	62,000	68,000	77,000	S	S
Asian/Pacific Islander	60,000	50,000	51,500	62,000	68,000	68,000	99,000	75,000	S
Other	53,000	45,000	45,000	47,000	55,000	58,800	67,600	S	S
Engineering	81,000	67,000	78,000	85,000	90,000	93,000	99,100	105,000	100,000
Male	83,000	68,000	78,000	85,000	90,000	93,000	99,100	105,000	100,000
Female	68,000	60,000	72,000	75,000	85,000	103,000	70,000	S	S
White	85,000	67,000	78,000	87,000	92,000	96,000	99,100	104,000	100,000
Black	72,000	55,000	73,000	74,000	85,000	87,000	63,000	S	S
Hispanic	70,000	55,000	70,300	65,000	85,000	100,000	110,000	S	S
Asian/Pacific Islander	80,000	69,000	78,000	81,000	90,000	90,000	98,000	110,000	100,000
Other	84,100	67,000	84,100	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

NOTE: Median annual salaries are for full-time employment. Very large or very small values may reflect very small cell sizes and should be interpreted with caution.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Appendix table 3-31.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
		All degree levels^a							
S&E degree fields	48,000	32,000	45,000	52,000	55,000	54,200	58,000	62,500	55,000
Male	52,300	36,000	50,000	57,000	60,000	60,000	63,000	69,000	60,000
Female	36,000	27,000	37,500	43,000	41,200	40,500	40,400	41,000	40,000
White	49,000	31,000	45,000	53,000	56,000	55,000	60,000	65,000	57,000
Black	37,200	29,000	36,000	39,000	41,000	43,000	45,000	42,000	46,500
Hispanic	41,800	30,000	40,000	50,000	50,000	50,000	52,500	59,000	45,000
Asian/Pacific Islander	50,000	40,000	50,000	56,000	54,000	55,000	53,000	50,000	49,000
Other	37,000	25,000	38,000	41,800	50,000	46,000	55,000	65,000	62,000
Sciences	42,000	28,800	40,000	48,000	50,000	50,000	52,000	55,000	50,000
Male	49,300	31,500	45,000	52,400	54,000	54,000	58,000	63,500	56,000
Female	35,000	26,000	35,000	41,000	40,000	40,000	40,000	40,700	40,000
White	43,000	28,000	40,000	49,500	50,000	50,000	53,000	59,000	52,000
Black	36,000	27,000	33,000	37,000	40,000	41,500	44,000	40,000	46,500
Hispanic	37,000	27,000	37,000	46,000	46,000	49,000	50,000	52,000	32,000
Asian/Pacific Islander	44,000	36,000	45,000	53,600	50,000	50,000	45,000	44,600	37,800
Other	34,000	25,000	36,000	40,000	41,600	46,000	50,000	65,500	S
Computer/math sciences	53,300	40,000	50,000	58,000	64,000	65,000	60,000	65,000	48,000
Male	57,000	43,000	54,000	60,000	66,000	67,700	65,000	72,000	60,000
Female	45,000	35,000	46,500	53,000	56,000	50,000	43,500	46,500	42,000
White	55,000	40,000	50,900	59,000	65,000	65,000	60,300	67,000	50,000
Black	42,000	34,000	40,000	45,000	47,000	48,000	49,000	40,000	S
Hispanic	48,000	35,000	48,000	50,000	61,500	75,000	68,000	28,000	S
Asian/Pacific Islander	54,000	48,000	52,000	62,000	65,000	65,000	50,000	50,000	26,000
Other	50,000	28,000	60,000	45,000	S	45,000	60,000	S	S
Life and related science	40,000	26,200	36,000	43,000	45,000	47,500	46,000	52,000	45,000
Male	43,500	28,000	37,200	47,000	50,000	50,000	50,000	60,000	48,000
Female	34,500	25,000	35,000	39,300	39,000	39,000	39,800	39,000	35,000
White	40,000	26,000	36,000	43,800	45,000	48,000	48,000	54,600	45,000
Black	36,000	25,000	36,000	36,000	37,000	41,000	45,000	40,000	49,000
Hispanic	40,000	28,000	34,000	45,000	50,000	49,000	45,600	51,000	45,000
Asian/Pacific Islander	39,000	30,000	39,000	50,000	42,000	50,000	40,000	45,000	40,000
Other	35,000	25,000	25,000	43,500	41,600	46,000	35,000	S	S
Physical and related sciences	51,900	32,000	45,000	54,000	60,000	60,000	61,600	67,000	65,000
Male	55,000	33,000	48,000	55,000	62,000	60,000	65,000	70,000	67,000
Female	38,500	27,500	38,500	47,000	50,000	52,000	50,000	36,400	50,000
White	53,000	30,000	45,500	55,000	60,000	60,000	62,000	70,000	65,000
Black	40,000	32,000	41,000	35,000	52,000	40,000	52,400	93,700	15,000
Hispanic	42,000	32,000	35,000	44,300	50,000	45,000	75,000	43,000	30,000
Asian/Pacific Islander	47,000	40,000	43,000	48,000	53,000	55,000	52,000	43,000	50,000
Other	49,000	36,500	55,000	40,000	S	54,000	50,000	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-31.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Social and related science	38,500	27,000	36,000	43,200	45,000	48,000	50,000	51,000	52,000
Male	45,000	29,500	40,000	50,000	50,000	50,000	56,000	57,000	58,000
Female	32,500	25,000	33,000	39,600	40,000	39,500	40,400	42,500	38,000
White	40,000	27,000	37,000	45,000	46,000	48,300	50,000	54,000	54,000
Black	33,000	26,000	30,000	35,000	38,000	41,000	42,600	36,400	46,500
Hispanic	34,000	25,000	36,000	42,000	43,000	48,000	43,000	56,500	40,000
Asian/Pacific Islander	36,000	29,100	37,000	40,000	38,000	38,800	45,000	40,000	27,000
Other	32,000	24,000	32,500	40,000	40,100	42,000	43,700	S	S
Engineering	60,000	43,500	55,000	60,000	66,000	70,000	72,000	74,700	61,000
Male	60,000	44,000	55,000	60,000	66,000	70,000	73,000	75,000	61,000
Female	50,000	42,000	52,300	56,000	60,000	50,000	44,000	50,000	58,200
White	60,000	43,000	55,000	60,000	67,000	70,000	75,000	75,000	62,000
Black	50,000	41,000	50,000	54,000	60,000	57,000	54,000	66,000	S
Hispanic	52,000	40,800	50,000	60,000	59,000	65,000	58,500	70,000	60,000
Asian/Pacific Islander	55,000	47,000	55,000	60,000	62,000	66,000	62,000	60,000	60,000
Other	50,000	38,000	55,000	60,000	70,000	68,600	S	S	70,000
Bachelor's									
S&E degree fields	44,000	29,400	42,000	50,000	51,000	50,000	53,800	60,000	54,600
Male	50,000	33,000	45,000	54,000	57,000	55,000	60,000	65,000	58,000
Female	33,000	25,000	33,700	40,300	38,800	38,000	39,800	40,700	40,000
White	45,000	29,000	42,000	51,000	53,000	51,100	55,000	63,000	55,000
Black	35,200	27,000	33,300	37,000	40,000	41,000	45,000	40,000	45,000
Hispanic	40,000	28,000	38,000	48,000	49,500	48,100	50,000	56,500	45,000
Asian/Pacific Islander	42,000	35,000	45,000	50,000	45,000	47,000	49,000	45,000	44,000
Other	33,000	25,000	37,000	40,000	44,000	46,000	50,000	69,000	59,800
Sciences	40,000	27,000	37,500	45,000	45,000	46,000	50,000	52,000	50,000
Male	45,000	30,000	41,000	50,000	50,000	50,000	53,900	60,000	53,900
Female	32,000	25,000	32,000	40,000	38,000	38,000	39,800	40,000	40,000
White	40,000	26,800	38,000	47,000	47,000	48,000	50,000	55,000	50,000
Black	34,000	25,200	32,000	35,000	38,000	40,000	44,000	40,000	45,000
Hispanic	35,000	26,000	35,000	44,000	45,000	46,000	48,000	52,000	40,000
Asian/Pacific Islander	38,000	30,000	41,000	48,000	40,000	45,000	40,000	41,000	35,400
Other	30,800	25,000	36,000	40,000	37,000	46,000	50,000	S	S
Computer/math sciences	50,000	36,500	49,000	55,000	60,800	60,000	54,000	65,000	46,000
Male	54,000	39,000	50,000	58,000	65,000	65,000	60,000	73,100	55,000
Female	43,000	34,000	45,000	51,800	54,000	49,200	40,000	47,900	40,000
White	52,000	37,000	50,000	55,400	62,400	65,000	55,000	67,000	48,000
Black	40,000	32,000	40,000	45,700	45,000	46,000	50,000	40,000	S
Hispanic	45,000	34,000	42,000	50,000	55,000	70,000	65,000	S	S
Asian/Pacific Islander	50,000	40,000	50,000	58,700	60,000	60,000	42,000	50,000	S
Other	50,000	26,000	S	33,000	S	S	57,500	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-31.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Life and related sciences	36,000	25,000	33,000	40,000	41,000	44,000	40,800	49,000	40,000
Male	40,000	26,000	35,000	42,000	45,000	46,000	47,000	56,000	46,000
Female	31,700	24,000	32,000	36,000	36,600	37,500	37,700	34,600	35,000
White	36,000	25,000	33,000	40,000	42,000	44,500	42,000	50,000	40,000
Black	35,000	24,000	32,500	35,000	32,000	40,000	40,800	40,000	45,000
Hispanic	35,000	28,000	30,000	40,400	50,000	47,000	27,000	50,900	S
Asian/Pacific Islander	35,000	30,000	35,000	40,000	35,000	40,000	39,300	40,700	40,000
Other	29,000	25,000	20,800	27,000	S	S	S	S	S
Physical and related sciences	45,200	27,700	39,000	49,500	52,000	54,000	56,500	58,500	57,000
Male	50,000	30,000	42,000	50,000	53,800	55,000	58,700	65,000	60,000
Female	35,000	24,000	32,700	41,000	48,000	45,000	49,200	38,600	50,000
White	48,000	27,200	40,000	50,000	55,000	57,000	58,000	63,000	60,000
Black	40,000	31,000	41,000	35,000	52,000	40,000	52,400	93,700	S
Hispanic	39,500	30,000	33,000	43,800	50,000	37,000	75,000	S	30,000
Asian/Pacific Islander	38,600	32,000	37,000	36,000	38,000	45,000	40,000	40,000	40,000
Other	47,000	15,600	S	S	S	S	S	S	S
Social and related sciences	36,000	25,000	34,000	40,700	42,000	44,000	48,000	50,000	52,000
Male	42,000	28,000	38,000	47,000	48,000	50,000	54,000	56,500	58,000
Female	30,000	24,600	30,000	36,000	36,300	37,000	39,000	41,900	40,000
White	37,000	25,200	35,000	42,500	45,000	45,000	50,000	52,000	52,000
Black	31,000	25,000	30,000	34,000	36,600	38,000	42,600	36,000	42,000
Hispanic	32,000	25,000	35,000	42,000	40,000	45,000	43,000	56,500	S
Asian/Pacific Islander	35,000	28,000	35,000	39,000	36,400	38,000	41,200	40,000	27,000
Other	28,500	24,000	32,500	40,000	35,000	40,000	39,400	S	S
Engineering	56,000	40,000	50,000	59,000	65,000	66,000	69,000	72,000	60,000
Male	58,000	40,000	50,000	59,700	65,000	67,000	69,000	72,000	60,000
Female	48,000	40,000	50,000	54,000	56,000	50,000	36,000	50,000	64,300
White	59,000	40,000	51,000	60,000	65,000	68,000	71,000	75,000	61,000
Black	49,000	40,000	48,000	53,000	60,000	50,000	50,000	S	S
Hispanic	50,000	38,500	48,000	60,000	59,000	62,400	55,000	67,000	60,000
Asian/Pacific Islander	50,000	40,000	50,000	51,000	54,000	50,000	56,000	51,000	50,000
Other	50,000	38,000	58,000	S	S	68,600	S	S	S
Master's									
S&E degree fields	54,000	43,000	54,000	58,200	60,000	60,000	64,000	65,000	60,000
Male	60,000	48,000	58,000	65,000	65,000	68,000	70,000	70,000	70,000
Female	42,500	35,000	46,000	45,000	45,100	50,000	43,000	44,000	35,000
White	55,000	40,000	54,000	59,000	60,000	61,500	65,000	65,000	60,000
Black	44,000	37,400	44,000	42,000	44,000	50,000	45,000	65,000	S
Hispanic	50,000	40,000	52,000	58,000	48,000	67,000	50,000	70,000	45,000
Asian/Pacific Islander	55,000	50,000	57,000	62,500	61,000	65,000	62,000	56,000	63,800
Other	45,000	35,000	50,900	46,000	61,000	S	55,000	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-31.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Sciences	50,000	37,000	49,000	50,000	52,000	55,000	55,000	55,000	59,700
Male	55,000	42,000	52,000	60,000	60,000	58,000	60,000	62,000	71,600
Female	41,000	33,000	43,000	43,500	44,000	50,000	43,000	42,200	35,000
White	50,000	35,000	50,000	50,000	53,000	55,000	56,900	56,200	59,700
Black	42,000	35,000	40,000	40,000	43,000	49,000	43,000	S	S
Hispanic	45,000	33,000	46,000	50,000	47,000	65,000	40,000	74,000	S
Asian/Pacific Islander	50,000	48,000	50,000	58,000	59,000	50,000	48,100	48,000	60,000
Other	40,000	26,500	50,900	40,000	S	S	70,000	S	S
Computer/math sciences	60,000	52,000	58,000	69,000	67,000	68,000	70,000	63,500	68,000
Male	64,800	53,000	60,000	72,000	70,000	72,000	71,000	67,500	84,000
Female	53,000	48,000	50,000	60,000	60,500	58,000	55,000	30,000	S
White	62,000	52,600	59,000	69,300	68,000	68,000	71,000	63,500	68,000
Black	47,600	47,000	50,000	45,000	47,600	49,000	43,000	S	S
Hispanic	65,000	45,000	72,500	64,100	S	80,000	S	S	S
Asian/Pacific Islander	59,000	53,000	57,000	69,300	65,000	78,000	66,000	S	S
Other	70,000	S	S	S	S	S	S	S	S
Life and related sciences	44,000	31,000	40,000	44,300	51,000	50,000	45,000	52,000	75,000
Male	48,000	30,000	37,000	49,900	55,000	55,000	46,000	60,000	88,000
Female	40,000	32,300	41,000	40,000	43,000	45,000	42,600	39,000	S
White	44,400	31,000	40,000	44,300	52,000	50,000	45,000	52,000	82,100
Black	42,000	27,000	40,000	45,000	43,000	47,900	45,000	S	S
Hispanic	45,000	27,000	36,000	52,000	41,000	S	S	S	S
Asian/Pacific Islander	40,000	31,000	39,300	40,000	42,000	40,000	40,000	S	S
Other	37,000	S	S	S	S	S	S	S	S
Physical and related sciences	55,000	35,000	51,000	60,000	68,000	58,000	60,000	66,000	90,700
Male	58,000	36,000	53,000	60,000	70,000	60,000	60,000	68,000	90,700
Female	43,000	35,000	45,000	56,000	58,000	55,000	52,200	28,000	S
White	56,000	35,000	52,000	60,600	70,000	58,000	60,000	66,000	90,700
Black	45,000	39,700	40,000	S	60,000	32,000	S	S	S
Hispanic	45,000	28,000	47,500	S	S	S	S	S	S
Asian/Pacific Islander	47,500	41,600	38,000	35,000	60,000	53,000	30,000	50,000	91,000
Other	40,000	40,000	S	S	S	S	S	S	S
Social and related sciences	44,000	32,000	43,000	45,000	46,000	52,000	52,200	51,000	50,000
Male	50,000	35,000	47,000	50,000	52,000	52,500	57,000	51,000	50,000
Female	40,000	31,000	42,000	42,000	42,500	48,000	42,000	51,000	35,000
White	45,000	32,000	45,000	45,000	46,400	52,000	53,300	53,000	50,000
Black	40,000	34,000	38,500	40,000	40,000	50,000	45,000	S	S
Hispanic	41,000	32,000	39,000	42,500	47,000	55,000	36,000	S	S
Asian/Pacific Islander	39,500	39,000	40,000	40,000	35,400	36,000	50,000	37,000	S
Other	40,000	25,000	S	35,000	S	S	S	S	S
Engineering	65,000	50,000	61,000	70,000	72,000	80,000	83,000	79,300	60,000
Male	65,000	50,000	62,000	70,000	72,800	80,000	83,500	79,300	62,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-31.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Female	55,000	48,000	58,000	66,000	65,000	50,000	55,000	S	S
White	66,000	50,000	60,500	72,000	74,400	82,000	85,000	79,300	60,000
Black	60,000	48,000	62,000	68,000	65,000	80,000	S	S	S
Hispanic	57,200	48,000	60,000	62,000	55,000	73,200	60,000	70,000	S
Asian/Pacific Islander	60,000	50,000	60,000	67,000	65,000	70,000	72,000	75,000	63,800
Other	50,000	49,000	S	S	S	S	S	S	S
Doctorate									
S&E degree fields	65,000	45,000	58,000	66,000	73,700	76,000	80,000	82,000	80,000
Male	70,000	50,000	60,000	70,000	75,000	80,000	80,000	84,000	80,000
Female	52,000	40,000	50,000	59,000	64,000	65,000	65,000	60,000	70,000
White	65,500	44,000	57,000	65,000	72,500	76,000	80,000	82,000	80,000
Black	58,000	43,000	53,000	58,000	70,000	71,000	73,500	83,000	96,000
Hispanic	60,000	44,000	51,000	60,000	70,000	68,000	84,300	65,000	S
Asian/Pacific Islander	65,000	50,000	60,000	70,000	80,000	80,000	80,000	82,000	85,000
Other	54,000	42,000	50,000	50,000	62,500	60,000	77,000	S	S
Sciences	62,500	40,000	54,000	63,000	71,000	75,000	75,100	80,000	80,000
Male	67,000	42,000	56,000	66,000	73,200	75,600	78,000	80,700	80,000
Female	51,000	38,000	50,000	58,000	64,000	64,500	65,000	60,000	70,000
White	63,500	40,000	55,000	63,000	70,000	75,000	75,000	80,000	80,000
Black	56,000	42,000	52,000	55,000	67,000	70,000	76,800	83,000	96,000
Hispanic	57,000	42,000	50,000	60,000	75,000	68,000	90,000	65,000	S
Asian/Pacific Islander	60,000	41,000	52,000	67,900	75,000	74,000	76,000	79,500	80,000
Other	52,000	40,000	50,000	50,000	62,500	60,000	77,000	S	S
Computer/math sciences	67,000	53,000	60,000	65,000	70,000	75,600	74,200	75,000	90,000
Male	68,000	56,000	60,000	65,000	70,000	75,600	74,200	75,000	92,000
Female	56,000	40,000	60,000	65,000	70,000	56,000	70,000	80,000	S
White	68,000	50,000	60,000	63,000	70,000	75,600	75,000	75,000	92,000
Black	64,500	52,000	77,000	47,500	63,000	85,000	S	S	S
Hispanic	67,800	50,000	76,800	55,000	86,000	64,000	S	90,000	S
Asian/Pacific Islander	62,000	55,000	60,000	67,900	71,000	69,000	52,000	49,400	S
Other	45,000	S	S	S	S	S	S	S	S
Life and related sciences	60,000	35,000	52,000	63,000	72,000	72,900	78,000	78,000	78,000
Male	65,000	35,000	55,000	65,000	75,000	75,000	80,000	79,500	78,000
Female	50,000	33,000	50,000	59,000	63,000	60,800	65,000	50,000	50,000
White	60,600	35,000	53,000	63,700	70,000	74,500	77,000	76,800	79,000
Black	55,000	40,400	54,000	53,000	63,000	65,000	87,000	84,000	S
Hispanic	59,000	42,000	48,800	50,000	95,000	60,000	100,000	120,000	S
Asian/Pacific Islander	52,000	30,000	50,100	67,000	79,500	72,000	80,000	71,400	37,000
Other	60,000	34,000	53,400	60,000	75,000	58,000	S	S	S
Physical and related sciences	70,000	47,000	60,000	72,000	80,000	80,000	80,000	84,000	80,500
Male	72,000	48,000	60,000	73,000	80,000	81,000	80,000	85,000	86,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-31.

**Median annual salaries of individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1997
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1–4	5–9	10–14	15–19	20–24	25–29	30–34	35 or more
Female	58,000	43,000	55,000	63,400	70,000	74,000	63,000	50,000	70,000
White	72,000	45,000	60,000	72,000	80,000	80,000	80,000	85,000	80,000
Black	65,000	52,000	61,000	52,000	76,000	80,000	S	S	S
Hispanic	60,000	42,000	57,900	80,000	60,000	78,000	72,400	10,000	S
Asian/Pacific Islander	65,000	50,000	55,000	70,000	80,000	76,000	76,000	84,000	130,000
Other	78,000	42,000	50,000	S	S	90,000	S	S	S
Social and related sciences	58,500	40,000	51,000	60,000	65,000	70,000	70,000	75,400	78,000
Male	63,000	42,000	53,200	60,900	66,500	72,000	72,000	77,300	79,000
Female	50,000	40,000	49,000	56,000	61,000	65,000	64,000	65,700	60,000
White	60,000	40,000	51,700	60,000	65,800	70,000	70,000	79,000	78,000
Black	55,000	42,000	50,000	56,500	66,000	70,000	72,000	S	S
Hispanic	52,000	42,000	48,000	60,000	56,000	68,000	80,000	S	S
Asian/Pacific Islander	54,000	42,100	50,000	61,000	53,000	75,000	105,000	74,000	65,000
Other	49,000	40,000	42,000	48,000	62,500	49,000	S	S	S
Engineering	75,000	60,000	70,000	79,400	85,000	90,000	90,000	97,000	100,000
Male	76,000	61,000	70,000	79,400	85,000	90,000	90,000	97,000	100,000
Female	60,000	55,000	63,000	76,600	70,000	96,100	S	S	S
White	78,000	60,000	70,000	80,000	85,400	90,300	90,000	95,000	100,000
Black	68,000	54,000	63,000	75,000	95,000	90,000	S	S	S
Hispanic	65,000	56,000	60,000	60,000	70,000	68,000	S	S	S
Asian/Pacific Islander	72,000	60,000	70,000	79,400	81,800	90,000	90,800	100,000	110,000
Other	70,000	58,000	70,000	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

NOTE: Median annual salaries are for full-time employment. Very large or very small values may reflect very small cell sizes and should be interpreted with caution.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1997.

Appendix table 3-32.

**Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
		All degree levels^a							
S&E degree fields	44,000	30,000	42,000	49,000	50,000	50,300	55,000	55,000	50,200
Male	49,200	33,000	45,000	52,000	54,000	55,000	60,000	60,000	55,000
Female	33,000	25,000	35,000	38,000	37,800	37,600	37,000	37,500	37,000
White	45,000	29,200	42,800	50,000	50,000	52,000	55,400	56,000	52,000
Black	35,000	26,000	34,000	38,000	37,600	40,000	42,000	43,000	40,200
Hispanic	38,000	30,000	38,600	44,000	42,000	48,000	50,000	53,000	41,000
Asian/Pacific Islander	45,000	36,000	46,000	50,000	50,000	48,300	48,000	50,000	47,000
Other	40,000	28,500	41,000	40,500	50,000	46,600	50,000	53,000	100,000
Sciences	40,000	26,000	38,000	43,900	45,000	48,000	49,600	50,000	45,500
Male	45,000	29,000	42,000	49,400	50,000	50,000	55,000	56,000	50,000
Female	32,000	24,400	34,000	37,000	37,000	37,600	37,000	37,200	37,000
White	40,000	26,000	39,000	45,000	45,900	49,000	50,000	51,300	47,000
Black	33,000	24,300	31,000	35,300	36,000	40,000	40,700	42,000	40,000
Hispanic	35,000	27,000	35,000	40,000	40,000	45,000	40,300	47,000	39,000
Asian/Pacific Islander	40,000	31,000	42,000	49,000	43,200	40,000	42,200	41,200	34,000
Other	36,000	27,000	40,000	31,000	50,000	45,000	54,000	53,000	40,000
Computer/math sciences	48,000	35,000	45,000	52,000	57,000	58,000	58,000	55,000	45,000
Male	50,000	37,000	48,000	55,000	60,000	60,000	60,000	57,200	57,000
Female	40,000	32,400	41,300	46,300	46,000	43,000	40,000	35,000	33,000
White	48,500	35,000	45,700	53,000	57,000	60,000	60,000	55,000	45,000
Black	37,000	32,000	35,000	42,000	43,000	46,000	40,000	S	S
Hispanic	40,000	34,000	44,000	50,600	55,000	47,500	59,000	74,000	S
Asian/Pacific Islander	48,000	41,000	48,000	55,000	60,000	50,000	50,000	62,000	S
Other	40,000	35,000	42,300	24,000	S	50,000	54,000	S	S
Life and related science	37,000	25,000	33,000	41,000	43,000	45,000	45,000	47,000	41,000
Male	41,000	25,000	35,000	44,000	45,000	46,000	48,000	52,000	42,000
Female	32,000	25,000	31,000	35,000	36,000	37,500	36,000	34,400	40,000
White	37,800	25,000	33,000	42,000	43,000	45,000	45,000	49,500	41,000
Black	34,000	25,000	30,000	34,000	40,000	35,000	44,000	38,000	38,000
Hispanic	35,000	25,000	32,600	37,800	37,200	42,000	45,000	35,000	44,400
Asian/Pacific Islander	37,600	29,000	33,000	45,000	45,000	40,000	46,000	41,200	50,000
Other	40,000	25,000	42,000	28,000	50,900	52,000	50,000	S	S
Physical and related sciences	48,000	30,000	44,000	50,000	53,000	55,000	60,000	63,000	50,000
Male	50,000	30,400	45,000	51,000	56,400	55,500	62,000	65,000	56,800
Female	36,000	28,000	40,000	41,000	42,000	50,000	42,000	31,200	35,000
White	50,000	30,000	45,000	50,000	55,000	56,800	60,000	65,000	50,000
Black	40,000	27,000	40,000	45,500	42,000	45,000	49,900	60,000	12,000
Hispanic	37,500	26,000	37,300	40,000	50,000	43,500	54,000	38,000	45,000
Asian/Pacific Islander	41,500	33,400	43,000	49,500	50,000	45,000	45,000	41,600	50,000
Other	40,000	30,000	38,000	30,000	51,000	43,000	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-32.

**Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Social and related science	35,500	24,500	35,000	39,000	42,000	45,000	44,500	49,800	44,000
Male	41,000	26,000	37,000	44,000	45,500	50,000	51,000	53,000	50,000
Female	30,000	23,000	32,000	35,000	36,000	36,000	35,800	40,000	39,000
White	36,000	24,400	35,000	40,000	44,000	46,000	45,000	50,000	46,000
Black	31,000	23,000	30,000	34,000	35,000	38,400	39,900	40,000	52,000
Hispanic	32,000	25,000	35,000	38,000	38,000	45,000	35,600	53,000	30,000
Asian/Pacific Islander	32,000	25,000	36,000	34,000	32,800	36,000	40,000	40,000	21,000
Other	34,000	25,000	33,000	35,500	43,000	44,000	60,000	53,000	S
Engineering	54,000	40,000	50,000	56,700	60,000	65,000	70,000	64,000	60,000
Male	55,000	40,000	50,000	57,000	61,000	65,000	70,000	64,800	60,000
Female	46,000	39,000	48,700	52,000	51,000	35,000	36,000	50,000	36,000
White	55,000	40,000	50,000	57,000	62,000	66,000	71,000	65,000	60,000
Black	47,600	40,000	49,000	52,000	56,000	47,000	51,000	67,000	S
Hispanic	48,000	40,000	47,000	51,500	53,000	60,000	60,000	70,000	50,000
Asian/Pacific Islander	50,000	40,000	50,000	56,000	56,000	60,000	55,000	57,000	51,000
Other	50,000	38,000	48,000	58,000	52,000	66,000	S	S	S
Bachelor's									
S&E degree fields	40,000	26,800	40,000	45,000	45,000	48,000	50,000	53,700	50,000
Male	45,000	30,000	43,000	50,000	50,000	51,000	57,000	58,000	54,000
Female	30,000	24,000	33,000	35,600	35,000	35,000	36,000	36,000	36,000
White	41,000	26,500	40,000	47,000	47,600	50,000	52,000	54,800	50,000
Black	32,500	24,000	31,000	36,000	35,000	39,000	40,000	43,000	40,200
Hispanic	36,000	28,000	37,300	40,000	40,000	45,000	50,000	55,000	39,000
Asian/Pacific Islander	38,000	30,000	40,000	45,000	41,000	40,000	40,000	50,000	41,600
Other	36,000	27,000	40,000	40,000	50,000	37,000	43,000	49,000	120,000
Sciences	36,000	25,000	35,000	40,000	42,000	44,000	45,000	49,000	43,000
Male	41,000	26,000	39,000	45,000	45,000	48,000	51,000	52,000	48,000
Female	30,000	23,000	32,000	34,200	34,900	35,000	36,000	35,500	36,000
White	37,000	24,700	36,000	42,000	43,000	45,000	46,800	50,000	44,000
Black	31,000	23,000	29,500	33,000	33,600	37,000	39,900	42,000	40,000
Hispanic	32,000	25,000	34,700	37,500	37,000	43,000	38,000	38,000	31,000
Asian/Pacific Islander	35,000	28,000	39,000	38,000	35,000	36,000	36,000	40,000	31,300
Other	34,700	25,200	36,000	30,000	50,000	36,300	48,000	S	S
Computer/math sciences	45,000	32,000	44,000	50,000	55,000	50,000	57,900	55,000	40,000
Male	48,000	33,000	45,000	53,000	60,000	52,000	60,000	57,200	53,500
Female	38,000	30,000	40,000	44,000	46,000	40,000	40,000	34,600	33,000
White	46,000	32,000	45,000	52,000	55,800	51,000	58,000	54,000	40,000
Black	36,000	30,000	34,000	42,000	48,000	42,000	40,000	S	S
Hispanic	37,500	31,500	38,000	47,800	50,000	43,000	59,000	S	S
Asian/Pacific Islander	42,000	35,000	43,700	50,000	60,000	50,000	35,000	S	S
Other	39,500	35,000	40,000	24,000	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-32.

**Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Life and related sciences	34,900	23,700	30,000	36,000	40,000	40,000	40,000	44,000	40,000
Male	37,500	24,000	32,000	40,000	43,000	42,000	45,000	45,000	40,000
Female	30,000	23,000	27,000	31,000	35,000	34,000	36,000	33,000	40,000
White	35,000	23,000	30,200	37,000	40,000	40,000	40,000	45,000	40,000
Black	32,000	23,500	27,000	32,000	37,000	32,000	44,000	38,000	38,000
Hispanic	32,600	25,000	32,000	33,300	36,000	42,000	45,000	35,000	S
Asian/Pacific Islander	35,000	28,000	27,000	38,000	40,000	36,000	37,600	40,000	46,100
Other	36,000	23,000	S	28,000	S	S	S	S	S
Physical and related sciences	42,000	25,500	40,000	45,000	47,900	49,600	52,000	53,700	50,000
Male	45,000	26,000	41,000	47,000	49,300	49,500	56,000	63,100	50,000
Female	34,000	24,400	36,500	37,500	40,000	50,000	33,000	32,000	28,000
White	44,000	26,000	40,000	46,000	48,600	50,000	55,000	60,000	50,000
Black	37,000	25,000	38,000	35,000	41,600	46,000	49,900	60,000	S
Hispanic	37,000	26,000	35,000	37,500	49,300	43,500	S	38,000	45,000
Asian/Pacific Islander	35,500	27,500	37,500	36,000	36,000	32,000	35,800	41,000	55,100
Other	38,000	30,000	S	S	43,000	S	S	S	S
Social and related sciences	33,000	23,500	32,000	37,000	40,000	42,000	42,900	48,000	44,000
Male	39,000	25,000	35,000	41,000	43,000	48,000	49,000	50,000	50,000
Female	28,000	22,000	30,000	32,000	33,000	34,000	35,600	38,700	39,700
White	34,700	23,500	32,500	38,000	40,600	44,000	43,900	49,500	45,000
Black	29,500	22,000	28,000	31,000	31,900	36,000	35,000	40,000	52,000
Hispanic	30,000	24,700	34,700	37,000	35,500	45,000	35,600	53,000	30,000
Asian/Pacific Islander	30,000	25,000	35,000	30,000	30,000	36,000	36,000	40,000	21,000
Other	30,000	22,500	33,000	35,500	40,000	36,300	48,000	S	S
Engineering	50,000	36,400	47,500	54,000	60,000	61,500	65,000	63,300	60,000
Male	52,000	36,300	47,500	55,000	60,000	62,000	65,500	64,000	60,000
Female	43,800	36,900	47,000	50,000	51,000	32,000	34,000	50,000	36,000
White	52,000	36,600	48,000	55,000	60,000	64,000	68,300	65,000	60,000
Black	45,200	38,000	47,700	50,000	50,000	46,000	60,000	67,000	S
Hispanic	46,000	36,000	45,000	50,000	50,000	60,000	60,000	72,000	42,000
Asian/Pacific Islander	44,000	35,000	45,000	48,000	50,000	48,000	48,000	55,000	50,000
Other	50,000	36,000	48,800	58,000	53,000	S	S	S	S
Master's									
S&E degree fields	50,000	40,000	49,000	55,000	54,000	58,000	58,000	60,000	56,000
Male	55,000	43,000	52,000	60,000	60,000	61,000	62,400	60,700	57,800
Female	40,000	33,000	40,000	42,000	42,500	49,000	36,000	42,000	37,000
White	50,000	39,800	49,000	55,000	55,000	60,000	58,000	60,000	57,500
Black	42,000	38,000	40,000	45,000	46,000	47,500	50,000	S	S
Hispanic	45,700	37,600	45,000	52,000	50,000	55,000	50,000	45,000	S
Asian/Pacific Islander	50,000	43,000	50,000	58,000	58,000	52,000	55,000	55,000	50,000
Other	42,500	35,000	42,300	42,500	67,000	52,000	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-32.

**Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Sciences	45,000	35,000	43,600	47,700	49,000	51,000	50,000	55,000	50,000
Male	50,000	38,000	48,000	55,000	53,900	55,000	55,000	62,000	52,000
Female	40,000	32,000	40,000	41,000	42,000	48,700	36,000	41,600	37,000
White	46,000	33,400	43,400	47,800	49,000	53,000	50,000	60,000	52,000
Black	40,000	35,000	38,000	42,000	45,000	47,200	50,000	S	S
Hispanic	40,000	33,000	37,300	50,000	42,000	54,700	20,000	S	S
Asian/Pacific Islander	45,500	42,000	48,000	50,000	53,000	40,000	50,000	38,600	25,000
Other	42,300	30,000	48,000	38,700	67,000	S	S	S	S
Computer/math sciences	55,000	44,000	55,000	62,000	59,000	68,000	60,000	54,000	74,000
Male	58,000	45,000	58,000	63,000	60,000	68,700	64,000	54,000	74,000
Female	46,500	40,000	48,000	55,000	44,000	64,500	42,000	S	S
White	56,000	43,000	56,000	62,400	59,000	68,000	60,000	54,000	74,000
Black	48,000	40,000	51,600	55,000	42,000	53,000	S	S	S
Hispanic	59,000	40,000	60,000	60,000	60,000	S	S	S	S
Asian/Pacific Islander	50,000	45,000	51,000	60,000	60,000	56,000	63,000	S	S
Other	65,100	S	S	S	S	S	S	S	S
Life and related sciences	41,000	30,000	36,000	46,500	45,000	48,000	40,700	53,800	23,000
Male	45,000	30,000	39,000	49,000	50,000	47,800	46,000	65,000	18,000
Female	37,000	30,500	35,000	41,800	36,000	48,700	30,600	42,000	S
White	42,500	30,000	38,000	47,000	46,000	48,000	41,000	53,800	18,000
Black	40,000	30,000	35,000	43,000	40,000	47,500	40,700	S	S
Hispanic	35,000	30,900	35,000	45,000	28,200	S	S	S	S
Asian/Pacific Islander	37,000	30,000	31,000	38,000	40,000	38,800	39,000	42,000	S
Other	42,000	30,000	S	S	S	S	S	S	S
Physical and related sciences	50,000	35,000	50,000	59,000	58,000	52,000	60,000	63,000	58,000
Male	52,000	35,500	52,000	59,000	59,500	55,000	60,000	70,000	60,000
Female	42,000	34,400	45,000	50,000	50,000	46,000	50,000	24,000	S
White	52,000	35,000	52,000	59,000	59,500	57,000	60,000	65,000	62,000
Black	45,000	30,000	52,000	64,400	45,000	S	S	S	S
Hispanic	39,500	28,000	37,300	52,000	S	S	S	S	S
Asian/Pacific Islander	40,000	37,000	30,000	43,000	60,000	40,000	55,000	S	S
Other	40,000	40,000	S	S	S	S	S	S	S
Social and related sciences	41,500	30,000	39,800	41,000	45,000	50,000	43,000	60,000	35,000
Male	46,000	32,000	40,000	47,000	49,500	50,000	54,900	60,700	35,000
Female	38,000	28,200	39,000	39,300	42,000	45,000	34,000	52,000	35,000
White	42,000	29,800	40,000	41,000	45,500	50,000	43,000	60,000	35,000
Black	40,000	33,000	36,900	40,000	47,000	43,500	60,000	S	S
Hispanic	38,000	32,400	34,000	45,000	43,000	54,700	19,500	S	S
Asian/Pacific Islander	36,000	33,600	35,000	35,000	39,000	34,000	36,000	S	S
Other	41,000	34,000	S	S	S	S	S	S	S
Engineering	60,000	47,000	57,000	65,000	68,000	70,000	77,500	60,300	65,000
Male	60,000	47,000	57,000	65,000	69,900	70,100	77,900	60,300	65,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-32.

**Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Female	50,000	45,000	55,000	60,000	52,400	50,000	50,000	S	S
White	60,000	48,000	57,500	65,000	70,000	72,000	80,000	60,300	65,000
Black	56,800	48,000	56,800	62,000	65,900	65,000	S	S	S
Hispanic	53,000	46,000	53,700	60,000	69,900	62,100	65,000	45,000	S
Asian/Pacific Islander	55,000	44,000	54,500	62,000	60,000	65,900	66,500	65,000	60,000
Other	48,000	43,000	S	S	S	S	S	S	S
Doctorate									
S&E degree fields	60,000	42,000	55,000	63,000	69,300	72,000	75,700	77,200	75,000
Male	64,500	45,000	56,500	65,000	70,000	73,100	78,000	79,000	78,000
Female	50,000	37,000	50,000	56,000	60,000	60,000	63,200	58,000	70,000
White	61,700	42,000	55,000	62,000	68,600	72,000	76,400	78,000	75,000
Black	54,000	41,000	50,000	60,000	65,000	67,800	65,000	79,300	60,000
Hispanic	53,000	40,000	46,000	61,000	65,200	60,000	70,300	150,000	118,100
Asian/Pacific Islander	60,000	41,600	57,000	68,000	72,800	75,000	75,000	71,000	70,000
Other	50,000	36,000	43,800	58,000	52,000	60,000	62,500	79,600	S
Sciences	60,000	39,500	51,300	60,000	67,000	70,000	73,000	75,000	75,000
Male	62,000	40,000	53,300	63,000	69,500	70,600	75,000	76,000	75,000
Female	50,000	36,500	49,000	56,000	60,000	60,000	63,000	56,000	70,000
White	60,000	40,000	52,000	60,000	67,000	70,000	74,000	75,500	75,000
Black	52,000	40,000	47,200	56,200	62,000	67,800	65,000	79,300	60,000
Hispanic	51,000	39,900	44,500	61,700	60,000	60,000	70,300	150,000	118,100
Asian/Pacific Islander	54,900	36,000	52,000	64,100	70,000	69,000	72,500	62,800	67,900
Other	50,000	35,000	42,000	58,000	50,000	60,000	62,500	79,600	S
Computer/math sciences	60,000	48,000	58,000	60,000	65,000	71,700	67,000	70,000	55,000
Male	61,000	51,000	57,000	60,000	65,000	71,700	67,000	70,000	55,000
Female	50,500	40,000	60,000	61,800	54,000	55,000	72,000	45,000	S
White	62,000	48,000	59,000	60,000	65,000	71,700	67,000	70,000	61,000
Black	57,000	39,000	49,000	50,000	60,000	71,400	57,000	S	S
Hispanic	49,900	40,000	49,200	85,000	48,000	49,900	S	S	S
Asian/Pacific Islander	55,000	50,000	57,000	60,400	50,000	65,000	75,000	74,600	S
Other	46,400	S	S	S	S	S	S	S	S
Life and related sciences	57,000	33,500	50,000	60,000	69,500	66,100	75,000	75,000	78,600
Male	60,000	34,000	51,000	60,000	70,000	69,000	77,500	77,200	80,000
Female	48,800	32,300	49,000	58,000	60,000	60,000	62,300	42,900	55,000
White	58,000	35,000	50,000	60,000	68,900	67,000	75,000	75,100	76,000
Black	51,000	41,300	43,000	58,000	67,000	65,000	67,800	66,100	S
Hispanic	52,500	30,000	33,000	61,000	93,600	42,000	85,000	150,000	139,000
Asian/Pacific Islander	51,000	30,000	50,000	67,000	75,000	66,000	72,000	62,700	70,000
Other	56,000	30,000	49,000	79,000	56,000	65,000	S	S	S
Physical and related sciences	66,000	40,400	57,500	68,000	72,200	77,300	79,000	80,000	78,000
Male	68,500	41,000	57,500	69,000	72,500	78,000	80,000	80,000	78,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-32.

Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1995
(Dollars)

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1–4	5–9	10–14	15–19	20–24	25–29	30–34	35 or more
Female	55,100	39,400	58,000	63,000	70,000	71,000	61,500	63,000	70,000
White	69,000	42,000	58,000	68,000	73,000	79,000	80,000	80,000	78,000
Black	50,000	40,000	52,600	48,000	66,000	90,000	S	S	S
Hispanic	60,000	40,000	60,000	68,000	62,000	66,000	63,000	S	S
Asian/Pacific Islander	60,000	40,000	53,000	69,000	72,000	72,000	73,500	79,000	85,100
Other	73,000	30,000	S	83,000	96,000	S	S	S	S
Social and related sciences	56,000	40,000	50,000	59,800	60,000	63,500	65,100	70,000	70,000
Male	60,000	42,000	51,000	60,700	62,200	65,000	66,000	74,000	70,000
Female	48,500	38,000	46,000	52,900	56,400	60,000	64,000	58,000	75,000
White	56,500	40,000	50,000	60,000	60,700	63,100	65,000	73,000	71,300
Black	52,000	40,000	50,000	60,000	59,500	67,800	66,000	79,300	S
Hispanic	48,100	40,000	47,000	51,000	52,000	67,400	65,000	S	S
Asian/Pacific Islander	51,900	40,000	52,000	52,500	70,000	71,000	80,500	S	S
Other	46,000	36,000	42,000	56,000	42,000	48,000	60,000	S	S
Engineering	70,000	55,000	65,000	72,000	80,000	85,000	90,000	93,000	80,000
Male	70,000	55,000	65,000	72,000	80,000	85,000	90,000	93,000	80,000
Female	55,000	48,000	57,000	64,900	70,000	85,400	S	S	S
White	72,000	56,000	66,000	72,000	80,000	87,000	90,000	94,000	80,000
Black	65,000	60,000	59,000	95,000	80,000	65,900	S	S	S
Hispanic	57,000	55,000	53,800	55,000	82,000	35,000	S	S	S
Asian/Pacific Islander	65,000	52,000	65,000	72,000	78,000	84,000	88,000	81,000	96,000
Other	60,000	45,000	S	S	S	60,000	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

NOTE: Median annual salaries are for full-time employment. Very large or very small values may reflect very small cell sizes and should be interpreted with caution.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1995.

Appendix table 3-33.

Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
		All degree levels ^a							
S&E degree fields	42,000	30,000	41,000	46,000	48,000	50,000	54,000	52,000	52,000
Male	47,100	34,000	43,800	50,000	50,500	54,000	60,000	56,500	57,200
Female	33,000	26,000	35,000	36,000	37,400	36,000	36,000	33,200	30,700
White	43,200	30,000	41,400	48,000	48,400	51,000	55,000	52,600	55,000
Black	34,000	26,800	34,000	36,000	37,000	40,000	37,000	41,000	40,000
Hispanic	38,000	29,100	38,000	42,000	42,000	49,000	53,700	41,600	42,000
Asian/Pacific Islander	42,000	35,000	43,900	48,000	46,800	48,000	48,000	44,500	42,000
Other	36,900	28,500	35,500	35,000	46,800	42,200	50,000	52,000	130,000
Sciences	39,000	27,000	37,500	41,600	44,000	45,600	49,500	48,000	47,400
Male	43,000	30,000	40,000	45,800	47,600	50,000	53,700	52,000	52,000
Female	32,000	25,000	34,000	35,000	36,700	36,000	36,000	32,500	30,600
White	40,000	27,000	38,000	42,000	45,000	46,800	50,000	50,000	48,000
Black	32,500	25,000	32,000	33,800	36,000	40,000	37,000	39,900	38,000
Hispanic	35,000	26,000	34,800	39,800	39,000	45,000	49,100	34,500	39,000
Asian/Pacific Islander	37,400	32,000	40,000	43,100	40,000	40,400	42,000	35,400	36,000
Other	35,000	28,200	30,000	30,000	45,000	42,000	50,000	50,000	70,000
Computer/math sciences	45,000	35,000	43,000	52,000	55,000	52,000	58,000	52,000	48,000
Male	48,000	36,000	45,000	54,000	58,100	56,000	60,000	56,000	62,400
Female	38,000	32,000	40,000	45,800	42,000	39,900	45,000	38,000	28,600
White	45,500	35,000	43,000	53,000	56,000	53,000	58,200	51,700	48,000
Black	36,000	30,000	40,000	38,400	41,600	45,000	56,900	52,400	42,000
Hispanic	40,000	34,000	40,000	45,800	60,000	56,700	60,000	37,800	S
Asian/Pacific Islander	43,500	36,000	45,800	55,000	50,000	46,000	45,000	62,000	S
Other	36,300	37,000	25,000	60,000	40,000	40,200	62,400	S	S
Life and related science	36,400	25,400	35,000	38,500	41,800	42,000	45,000	43,500	41,600
Male	40,000	26,000	37,000	41,600	44,000	45,000	49,700	45,000	50,000
Female	31,400	24,900	32,000	34,600	39,900	34,900	37,000	32,000	33,000
White	37,000	25,800	35,000	39,000	42,000	42,000	45,000	43,600	41,700
Black	33,000	23,000	32,300	36,000	34,000	35,400	36,400	45,000	32,500
Hispanic	35,000	23,000	33,600	39,000	41,500	40,000	54,000	34,800	42,000
Asian/Pacific Islander	36,000	25,500	35,000	40,000	41,600	43,700	41,400	42,000	39,900
Other	35,500	24,000	28,800	28,600	46,800	42,000	75,000	S	S
Physical and related sciences	47,000	31,200	40,000	50,000	50,000	53,200	60,000	57,000	55,000
Male	50,000	32,000	40,500	51,000	52,000	56,000	63,000	62,000	60,000
Female	36,800	29,000	39,000	41,600	40,000	45,000	45,000	32,000	27,700
White	49,000	31,500	41,000	50,400	52,000	54,000	62,000	58,000	55,000
Black	37,400	30,000	34,500	40,000	35,000	52,000	56,700	39,000	S
Hispanic	40,000	27,500	38,400	45,000	33,000	52,200	64,000	60,000	43,700
Asian/Pacific Islander	40,000	31,000	37,000	40,000	44,000	46,000	46,600	44,500	43,000
Other	43,200	28,500	52,000	27,600	46,700	48,900	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-33.

Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree						
		1–4	5–9	10–14	15–19	20–24	25–29	30–34
Social and related science	35,000	24,000	34,000	37,500	41,600	42,000	43,000	45,800
Male	40,000	26,000	36,300	42,000	45,000	47,800	50,000	50,000
Female	30,000	23,000	32,000	33,300	35,000	35,000	33,800	32,000
White	36,000	24,000	35,000	38,400	42,400	43,000	44,000	47,400
Black	31,200	24,000	30,000	32,000	35,200	37,000	33,000	36,000
Hispanic	32,300	25,000	32,500	38,000	36,000	43,200	36,300	30,000
Asian/Pacific Islander	32,000	26,400	33,000	34,000	33,000	36,000	39,000	34,000
Other	31,500	24,000	29,000	27,000	39,600	42,200	60,000	S
Engineering	51,900	39,000	48,000	54,900	60,000	62,500	65,500	60,000
Male	52,000	39,000	48,000	55,000	60,000	63,000	65,700	60,000
Female	43,700	38,700	45,000	53,600	50,000	32,700	45,400	39,000
White	52,000	39,100	48,000	55,000	60,000	64,400	67,600	62,000
Black	44,200	36,400	44,000	52,800	52,800	49,000	50,000	62,400
Hispanic	45,000	37,400	44,600	50,000	62,800	52,000	60,000	54,100
Asian/Pacific Islander	48,000	40,000	47,800	53,800	57,000	54,200	55,200	51,800
Other	48,000	34,000	45,000	41,600	60,000	71,000	S	S
Bachelor's								
S&E degree fields	40,000	27,600	39,000	44,000	44,400	46,800	51,000	50,000
Male	44,000	30,000	41,600	48,000	48,000	50,000	56,000	53,000
Female	30,200	24,000	33,300	33,600	35,000	34,000	34,000	32,000
White	40,000	27,600	39,600	45,000	45,600	47,900	52,000	52,000
Black	32,000	25,000	32,500	34,000	35,000	40,000	35,500	39,000
Hispanic	36,000	27,200	36,000	40,000	40,000	47,500	52,000	35,000
Asian/Pacific Islander	36,400	31,200	39,000	40,000	38,000	41,000	43,100	40,000
Other	35,000	25,000	30,000	31,000	46,800	39,000	50,000	52,000
Sciences	35,800	25,000	35,000	39,000	40,900	41,600	45,000	45,000
Male	40,000	27,000	37,900	42,500	44,600	45,600	52,000	50,000
Female	30,000	23,000	31,500	32,300	34,500	34,000	33,800	31,600
White	36,000	25,000	36,000	40,000	42,000	42,000	46,000	47,600
Black	31,000	23,700	31,000	31,700	34,500	37,000	35,500	37,400
Hispanic	32,000	25,000	32,800	37,300	36,000	43,200	45,800	31,200
Asian/Pacific Islander	33,400	28,000	35,400	35,000	35,000	36,000	39,000	33,200
Other	31,500	25,000	28,700	25,000	46,700	38,700	50,000	S
Computer/math sciences	42,000	32,500	41,600	50,000	54,000	49,000	56,400	50,000
Male	45,000	33,300	42,800	52,000	57,600	52,000	60,000	52,400
Female	36,200	30,000	38,400	44,200	42,100	35,000	45,000	38,000
White	42,600	33,000	42,000	51,100	55,000	50,000	56,000	50,000
Black	34,300	27,000	38,400	38,400	41,600	45,000	57,500	62,000
Hispanic	36,800	32,000	38,500	40,000	60,000	52,800	S	S
Asian/Pacific Islander	37,800	32,400	42,000	50,000	41,800	43,500	50,000	S
Other	35,400	37,000	21,600	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-33.

**Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Life and related sciences	34,100	23,400	32,900	35,400	40,000	36,900	42,000	40,000	38,000
Male	36,400	24,000	35,000	37,400	40,000	40,000	44,700	42,000	42,000
Female	30,000	22,700	30,000	32,200	36,000	32,000	34,000	31,000	33,300
White	34,800	23,500	33,000	35,400	40,000	37,200	43,000	40,000	39,900
Black	31,900	22,100	31,500	35,000	32,600	32,800	36,400	35,000	32,500
Hispanic	32,400	20,800	31,000	37,400	39,700	39,200	54,000	S	42,000
Asian/Pacific Islander	33,000	24,200	33,300	34,200	39,600	39,500	37,100	42,000	35,000
Other	33,400	24,000	25,000	28,600	S	S	S	S	S
Physical and related sciences	41,600	28,000	36,000	43,200	45,000	49,700	52,800	51,100	49,000
Male	43,200	28,200	36,800	45,000	46,700	51,000	59,400	55,200	53,000
Female	34,000	26,000	35,000	39,000	40,000	46,000	45,000	32,000	27,700
White	42,300	28,000	36,800	45,300	46,700	51,000	58,200	52,000	50,000
Black	35,000	27,000	34,000	39,000	35,000	52,000	45,000	35,000	S
Hispanic	35,400	25,000	36,000	41,600	30,000	52,200	64,000	60,000	S
Asian/Pacific Islander	33,000	25,000	30,800	30,000	33,400	32,600	40,000	40,000	43,000
Other	41,000	S	44,700	S	S	S	S	S	S
Social and related sciences	32,600	23,000	31,200	36,000	39,200	40,000	40,700	45,000	44,000
Male	38,000	25,000	34,000	40,000	42,000	45,000	49,500	50,000	49,900
Female	28,100	21,900	30,000	31,200	32,000	33,400	31,300	31,600	30,000
White	33,600	23,000	32,000	37,000	40,000	40,000	42,000	47,900	45,000
Black	30,000	23,000	28,500	30,000	34,000	36,000	31,200	36,000	30,000
Hispanic	30,500	23,400	32,000	36,400	35,000	43,200	36,300	31,200	35,000
Asian/Pacific Islander	30,800	24,000	30,000	33,000	31,200	36,000	39,000	30,000	35,900
Other	28,200	24,000	28,700	24,000	39,600	38,700	S	S	S
Engineering	50,000	36,000	45,000	52,500	56,000	60,000	62,000	60,000	60,000
Male	50,000	36,000	45,000	52,800	56,000	60,000	62,300	60,000	60,000
Female	42,000	37,000	44,400	51,000	48,400	30,600	42,900	39,000	68,600
White	50,000	36,100	45,600	53,000	57,000	61,500	65,000	60,000	60,000
Black	42,000	35,000	42,000	50,400	45,600	48,000	50,000	62,400	S
Hispanic	43,000	36,000	42,300	49,000	58,000	48,200	60,000	54,100	45,000
Asian/Pacific Islander	42,200	35,000	42,000	48,000	48,700	49,400	50,000	49,400	50,900
Other	48,000	34,000	S	41,600	60,000	S	S	S	S
Master's									
S&E degree fields	48,600	40,000	47,500	50,700	52,000	56,400	60,000	60,000	57,600
Male	52,200	43,000	51,000	56,000	57,500	60,000	62,400	62,100	60,000
Female	39,000	34,000	40,000	39,000	41,600	40,000	45,400	37,400	42,000
White	49,800	40,000	47,900	50,300	52,500	57,500	60,000	60,000	60,000
Black	42,000	36,000	42,600	43,000	44,500	42,000	55,000	65,000	52,000
Hispanic	44,200	40,000	43,500	50,000	49,900	50,000	49,000	45,000	S
Asian/Pacific Islander	48,000	40,000	49,500	55,900	55,400	57,700	56,400	52,000	34,800
Other	42,000	40,000	36,000	56,000	32,300	42,000	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-33.

**Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Sciences	44,200	36,000	42,000	45,000	48,000	50,000	50,000	51,200	53,000
Male	49,000	40,000	47,000	52,600	50,300	55,000	54,000	60,000	55,300
Female	38,000	32,500	39,000	38,000	41,500	40,000	45,400	37,400	40,000
White	45,000	36,000	42,000	45,000	48,000	51,000	51,000	52,000	55,000
Black	40,000	34,000	37,000	41,100	43,000	41,000	55,000	S	52,000
Hispanic	39,000	33,000	38,000	42,000	43,000	41,500	35,600	S	S
Asian/Pacific Islander	42,000	36,000	45,200	52,000	46,000	42,000	45,800	36,000	34,800
Other	40,800	39,000	36,300	56,000	32,300	42,000	S	S	S
Computer/math sciences	52,000	43,800	52,000	58,000	57,500	60,000	62,400	62,400	53,000
Male	55,200	46,000	55,000	60,000	60,000	63,000	70,000	72,000	57,200
Female	43,000	38,900	50,000	51,000	42,000	49,400	31,200	42,000	S
White	53,000	44,000	53,000	58,200	60,000	62,000	70,000	62,400	53,000
Black	46,000	42,300	50,000	39,300	47,000	38,000	S	S	S
Hispanic	52,000	46,000	52,000	54,500	67,500	72,000	S	S	S
Asian/Pacific Islander	49,000	40,600	50,400	58,000	55,400	52,000	41,000	S	S
Other	58,000	S	S	S	S	S	S	S	S
Life and related sciences	40,000	30,000	37,000	42,000	44,000	43,000	40,000	57,000	52,000
Male	42,400	29,500	39,700	45,000	46,000	44,900	42,000	67,300	52,000
Female	35,200	30,000	35,400	36,400	40,500	34,300	37,000	33,000	S
White	40,000	30,000	40,000	43,500	44,900	43,000	40,000	52,300	36,600
Black	36,000	26,000	35,400	42,000	36,000	44,000	S	S	S
Hispanic	37,000	25,600	36,000	34,000	60,000	S	36,000	S	S
Asian/Pacific Islander	35,600	27,000	29,000	41,600	45,000	36,000	47,000	36,000	S
Other	41,000	S	S	S	S	S	S	S	S
Physical and related sciences	50,000	36,000	48,000	58,000	52,000	60,000	55,000	54,000	73,400
Male	52,500	39,500	47,100	60,000	55,000	64,500	60,000	62,400	76,700
Female	40,900	34,700	52,000	50,000	40,000	41,100	48,000	30,000	S
White	51,000	38,000	50,000	60,000	55,000	60,000	55,000	60,000	73,400
Black	42,000	40,000	48,000	55,000	34,200	S	S	S	S
Hispanic	43,500	33,000	43,500	S	S	S	S	S	S
Asian/Pacific Islander	36,000	30,000	33,300	40,000	42,000	52,000	48,000	S	S
Other	35,000	S	S	S	S	S	S	S	S
Social and related sciences	40,300	31,900	38,100	39,300	46,000	48,000	50,000	45,800	49,000
Male	45,500	35,000	42,000	44,000	48,000	50,000	51,000	45,000	49,000
Female	37,000	30,000	37,000	37,000	41,000	39,900	46,000	52,000	37,300
White	41,000	32,000	39,000	39,000	46,800	49,000	50,000	46,000	49,000
Black	40,000	31,000	34,600	41,100	43,600	42,000	S	S	S
Hispanic	36,000	28,000	34,500	42,000	40,000	35,000	S	S	S
Asian/Pacific Islander	34,000	29,000	33,800	34,000	40,000	38,600	36,000	32,000	S
Other	40,800	42,000	S	56,000	31,800	S	S	S	S
Engineering	57,800	45,000	55,000	60,000	70,000	68,000	72,000	64,000	64,500
Male	59,000	45,000	56,000	60,000	70,000	68,000	72,300	65,000	64,600

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-33.

**Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 or more
Female	48,000	43,000	51,000	55,900	52,000	50,000	46,700	52,000	S
White	59,500	45,600	56,000	60,000	72,000	70,000	74,000	68,200	64,500
Black	55,000	46,500	56,000	67,300	62,000	S	S	S	S
Hispanic	51,000	45,000	52,200	55,000	67,000	70,000	63,000	61,000	S
Asian/Pacific Islander	52,200	42,000	53,800	57,600	62,000	61,800	68,600	60,000	S
Other	49,000	45,000	S	S	S	S	S	S	S
Doctorate									
S&E degree fields	59,100	42,000	52,000	60,000	65,000	70,000	72,000	77,000	80,000
Male	61,000	44,000	53,000	62,400	67,000	70,200	73,000	78,000	80,000
Female	47,500	39,300	47,000	52,000	57,000	60,000	60,000	55,000	63,000
White	60,000	42,600	52,000	60,000	65,000	70,000	73,000	77,000	80,000
Black	50,000	44,000	47,000	51,000	60,000	60,000	52,000	135,000	66,200
Hispanic	52,000	37,000	45,000	60,000	65,000	65,000	72,100	120,000	93,600
Asian/Pacific Islander	56,000	41,000	54,000	65,000	70,000	70,200	70,000	67,000	80,000
Other	52,000	38,000	50,000	53,100	55,000	60,000	61,000	S	S
Sciences	56,000	40,000	49,600	58,200	63,200	67,000	70,000	75,000	78,000
Male	60,000	40,000	50,000	60,000	65,000	68,000	70,800	76,500	80,000
Female	47,000	38,000	46,600	52,000	56,000	60,000	60,000	55,000	63,000
White	57,400	40,000	50,000	58,000	63,500	67,000	70,000	75,000	77,200
Black	49,000	42,000	45,000	50,000	60,000	60,000	52,000	135,000	66,200
Hispanic	51,000	36,000	44,000	60,000	64,000	70,000	73,400	120,000	95,000
Asian/Pacific Islander	51,600	36,000	49,900	60,000	66,000	66,000	65,000	63,000	80,000
Other	53,100	40,200	49,000	51,000	50,000	60,000	61,000	S	S
Computer/math sciences	59,000	47,000	53,000	58,000	63,000	66,000	64,000	65,000	75,000
Male	60,000	49,400	54,000	57,200	63,000	66,700	64,000	65,000	75,000
Female	52,000	41,600	52,000	60,000	70,000	64,000	59,500	S	S
White	60,000	44,800	51,300	57,300	62,500	67,900	64,000	65,000	75,000
Black	53,000	52,000	63,000	47,800	60,000	53,000	S	S	S
Hispanic	55,000	54,200	48,000	63,300	61,000	S	69,700	S	S
Asian/Pacific Islander	56,000	51,000	55,800	62,000	70,000	61,900	57,000	64,500	S
Other	68,000	S	S	S	S	S	S	S	S
Life and related sciences	54,000	35,000	48,000	57,400	64,800	65,000	71,000	79,400	80,000
Male	58,000	36,000	48,000	60,000	65,800	67,000	72,300	83,000	86,000
Female	45,000	34,000	47,000	52,700	53,000	60,000	63,000	40,000	64,000
White	55,000	36,500	48,600	57,000	64,900	66,000	73,300	79,900	80,000
Black	49,000	46,000	40,900	52,000	65,000	60,000	67,500	S	S
Hispanic	46,800	26,400	39,000	60,000	80,000	65,000	98,000	120,000	95,000
Asian/Pacific Islander	49,400	28,000	48,000	56,800	62,500	62,000	63,200	60,000	80,000
Other	55,000	35,400	60,000	54,000	55,000	S	S	S	S
Physical and related sciences	63,000	41,500	55,400	66,300	69,300	72,500	73,400	80,000	77,200
Male	65,000	41,600	56,400	67,000	69,800	73,000	74,000	80,000	78,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-33.

**Median annual salaries of U.S. individuals with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and years since highest degree: 1993
(Dollars)**

Field of degree, sex, and race/ethnicity	Employed S&Es, total	Years since highest degree							
		1–4	5–9	10–14	15–19	20–24	25–29	30–34	35 or more
Female	52,000	40,000	51,500	65,000	62,000	65,000	65,000	63,300	65,000
White	65,000	44,000	56,000	67,000	69,500	73,000	75,000	78,700	75,700
Black	50,900	46,000	45,000	58,000	65,000	84,000	S	S	S
Hispanic	60,000	40,800	61,500	51,000	69,500	70,000	76,700	S	S
Asian/Pacific Islander	55,000	33,200	53,000	67,500	68,500	70,000	70,000	90,000	80,000
Other	60,000	36,100	73,000	65,000	75,000	60,000	S	S	S
Social and related sciences	52,000	41,600	46,000	52,800	59,900	61,000	61,900	67,000	79,200
Male	55,000	41,700	47,000	55,000	60,000	62,000	63,700	68,000	85,000
Female	46,500	41,300	45,000	50,000	55,500	54,800	55,600	60,000	56,600
White	52,000	42,000	45,700	52,800	60,000	60,900	62,000	67,500	77,900
Black	48,000	39,000	50,000	49,500	55,000	60,000	52,000	S	S
Hispanic	48,500	38,000	45,000	56,000	53,400	73,000	57,000	S	S
Asian/Pacific Islander	48,000	40,000	46,000	54,000	59,100	63,000	66,500	S	S
Other	46,300	41,700	34,300	53,100	46,300	59,500	S	S	S
Engineering	68,000	52,000	63,000	71,000	75,000	81,200	86,000	87,000	84,100
Male	69,000	52,000	63,200	72,000	75,000	81,200	86,000	87,000	84,100
Female	56,600	50,000	60,000	65,000	85,300	S	S	S	S
White	70,000	54,200	64,000	70,900	76,000	84,000	86,700	87,200	86,000
Black	62,500	55,200	64,000	67,500	70,000	51,000	S	S	S
Hispanic	58,000	41,600	58,000	72,000	65,000	16,600	S	S	S
Asian/Pacific Islander	63,000	50,000	62,000	72,000	75,000	77,000	80,000	S	65,000
Other	46,000	25,000	S	S	75,000	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability.

^aIncludes professional degrees.

NOTE: Median annual salaries are for full-time employment. Very large or very small values may reflect very small cell sizes and should be interpreted with caution.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993

Appendix table 3-34.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
		All degree levels ^a									
S&E occupations	3,596,800	85,400	420,000	461,300	594,700	581,900	494,700	428,300	278,300	152,000	100,200
Male	2,745,900	50,300	287,000	339,700	444,300	439,700	385,800	342,500	232,400	133,700	90,700
Female	850,900	35,100	133,000	121,600	150,400	142,300	108,900	85,800	45,900	18,300	9,500
White	2,940,900	63,900	321,100	353,500	475,100	476,800	419,300	370,400	239,700	131,600	89,500
Black	124,900	4,000	17,700	17,900	21,900	22,700	16,100	11,600	7,200	4,100	1,800
Hispanic	123,100	4,800	20,500	20,300	24,500	21,300	12,900	8,000	5,200	2,900	2,700
Asian/Pacific Islander	396,600	12,400	58,700	67,500	71,600	59,400	45,100	37,500	25,500	12,900	5,900
Other	11,300	S	1,900	2,200	1,600	1,800	1,300	800	700	500	200
Scientists	2,200,700	58,700	263,600	283,300	357,000	349,100	326,200	263,200	171,500	78,400	49,700
Male	1,482,800	30,800	160,900	187,800	234,900	230,400	226,300	181,800	127,600	61,800	40,600
Female	717,900	27,900	102,800	95,500	122,100	118,700	99,900	81,500	43,900	16,600	9,100
White	1,797,800	43,000	200,700	215,300	280,800	284,100	278,900	230,100	151,300	69,500	44,100
Black	86,400	3,100	11,300	12,200	14,600	14,500	12,000	8,100	5,900	3,000	1,500
Hispanic	72,700	3,700	13,100	11,200	14,700	11,400	8,400	5,100	2,600	1,600	1,000
Asian/Pacific Islander	237,100	8,600	37,300	43,400	45,900	38,200	26,300	19,400	11,100	4,100	2,900
Other	6,700	S	1,300	1,200	1,000	900	600	600	600	200	100
Computer and math scientists	1,182,100	23,800	130,900	165,100	226,200	202,400	178,100	136,000	78,200	29,300	12,100
Male	861,400	17,100	100,300	124,200	155,700	140,600	132,200	97,300	59,500	24,700	9,900
Female	320,600	6,700	30,600	40,900	70,600	61,800	45,900	38,700	18,700	4,600	2,200
White	933,200	16,500	90,300	118,600	177,800	160,800	148,600	115,600	68,600	26,100	10,400
Black	53,000	1,100	7,800	8,000	9,400	8,700	7,100	5,400	3,300	1,500	600
Hispanic	37,700	1,400	6,100	6,200	9,300	6,300	4,200	2,500	700	800	300
Asian/Pacific Islander	155,500	4,700	25,900	31,700	29,400	26,200	18,100	12,400	5,400	900	700
Other	2,700	S	900	600	400	S	S	S	S	S	S
Life and related scientists	346,300	14,400	41,600	42,400	50,800	52,200	50,400	40,300	28,900	14,700	10,500
Male	219,500	5,000	18,400	24,600	29,700	32,900	35,700	29,200	21,700	12,500	9,700
Female	126,800	9,400	23,200	17,800	21,200	19,300	14,700	11,100	7,200	2,200	800
White	288,800	10,500	33,500	34,800	39,500	43,300	44,300	35,200	26,100	12,600	9,000
Black	6,600	500	300	500	900	1,300	1,800	700	200	400	100
Hispanic	11,000	1,100	2,400	1,400	1,700	2,100	800	600	200	300	300
Asian/Pacific Islander	38,300	2,300	5,300	5,400	8,400	5,200	3,300	3,600	2,300	1,300	1,100
Other	1,600	S	S	300	300	200	300	100	100	S	S
Physical and related scientists	303,600	8,400	39,600	35,000	45,100	47,300	41,200	32,300	27,800	15,200	11,600
Male	232,800	4,600	25,400	23,400	35,000	35,600	32,300	27,400	24,200	13,500	11,400
Female	70,800	3,800	14,200	11,500	10,000	11,800	8,900	4,900	3,600	1,700	200
White	256,700	7,300	33,900	27,900	35,600	40,600	35,300	28,800	23,300	13,400	10,700
Black	9,400	500	1,000	1,600	2,300	1,400	900	700	800	100	100
Hispanic	8,300	200	1,500	1,200	1,700	800	1,200	500	700	200	S
Asian/Pacific Islander	28,300	400	3,100	4,200	5,300	4,400	3,600	2,200	3,000	1,500	600
Other	900	S	100	100	200	100	100	100	100	S	S
Social and related scientists	368,700	12,100	51,400	40,800	34,800	47,200	56,500	54,600	36,500	19,200	15,500
Male	169,000	4,100	16,700	15,500	14,500	21,300	26,000	27,900	22,100	11,100	9,600

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-34.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Female	199,700	8,000	34,700	25,200	20,300	25,900	30,400	26,800	14,400	8,100	5,900
White	319,100	8,700	43,000	34,200	27,900	39,400	50,600	50,400	33,300	17,400	14,000
Black	17,300	1,100	2,200	2,100	2,000	3,100	2,200	1,300	1,600	1,100	600
Hispanic	15,700	900	3,100	2,300	2,100	2,100	2,200	1,500	1,100	300	200
Asian/Pacific Islander	15,000	1,200	3,000	2,000	2,700	2,300	1,400	1,200	300	300	500
Other	1,500	S	S	200	100	200	100	200	200	S	100
Engineers	1,396,100	26,700	156,300	178,000	237,700	232,800	168,500	165,100	106,900	73,600	50,500
Male	1,263,100	19,400	126,100	151,900	209,400	209,200	159,500	160,700	104,900	71,900	50,100
Female	133,000	7,300	30,200	26,100	28,300	23,600	9,000	4,400	2,000	1,700	500
White	1,143,200	20,900	120,500	138,100	194,300	192,700	140,400	140,400	88,400	62,200	45,400
Black	38,600	900	6,300	5,700	7,300	8,100	4,100	3,500	1,300	1,000	300
Hispanic	50,400	1,100	7,400	9,100	9,800	9,900	4,500	2,900	2,600	1,400	1,700
Asian/Pacific Islander	159,400	3,800	21,500	24,100	25,700	21,200	18,800	18,100	14,400	8,800	3,000
Other	4,600	S	600	1,000	600	900	700	300	100	S	S
Bachelor's											
S&E occupations	2,027,200	82,500	316,900	269,100	347,100	328,700	257,400	202,300	112,200	65,600	45,500
Male	1,589,700	48,800	221,700	206,600	267,200	258,400	213,500	172,800	95,300	61,700	43,800
Female	437,500	33,700	95,200	62,500	79,900	70,300	43,900	29,500	16,900	3,900	1,700
White	1,707,300	62,100	250,000	222,500	294,900	278,800	223,500	176,400	98,400	58,000	42,700
Black	76,400	4,000	13,600	10,700	14,900	13,800	8,100	6,100	3,100	1,900	S
Hispanic	76,000	4,700	17,500	11,800	14,000	14,000	6,200	4,200	1,500	800	1,400
Asian/Pacific Islander	160,900	11,400	34,500	22,500	22,300	21,100	18,800	15,300	9,000	4,900	1,100
Other	6,600	S	1,300	1,600	900	1,000	900	S	S	S	S
Scientists	1,103,200	56,500	192,000	154,900	192,300	173,900	148,900	98,000	54,900	21,300	10,600
Male	754,600	29,800	121,100	107,700	129,500	116,800	110,900	71,700	38,800	18,900	9,400
Female	348,600	26,700	70,900	47,100	62,800	57,100	38,000	26,300	16,100	2,400	S
White	920,900	41,600	150,100	127,900	161,700	146,300	129,700	85,200	49,000	19,200	10,200
Black	48,500	3,100	8,300	7,200	9,400	8,200	5,400	3,700	2,200	S	S
Hispanic	41,600	3,600	11,000	5,800	8,000	7,000	3,400	2,200	S	S	S
Asian/Pacific Islander	89,000	7,900	21,900	13,300	12,600	11,900	10,300	6,700	3,200	900	S
Other	3,100	S	700	700	500	S	S	S	S	S	S
Computer and math scientists	750,000	23,100	100,300	107,900	151,900	129,000	110,900	71,700	36,300	14,600	4,200
Male	546,000	16,700	77,700	82,100	102,400	88,600	85,000	52,300	25,300	12,900	2,900
Female	204,000	6,400	22,500	25,800	49,500	40,400	26,000	19,400	11,000	1,800	S
White	619,300	16,000	73,800	88,200	127,000	107,000	95,100	62,200	32,700	13,400	3,800
Black	35,800	1,100	6,700	5,300	7,000	6,300	4,400	2,900	1,300	S	S
Hispanic	27,100	1,400	5,500	4,100	6,600	5,000	2,800	1,300	S	S	S
Asian/Pacific Islander	66,200	4,600	14,000	9,800	11,000	10,300	8,700	5,200	2,200	S	S
Other	1,700	S	400	S	S	S	S	S	S	S	S
Life and related scientists	137,200	13,700	32,500	20,300	14,800	16,100	18,300	9,900	7,200	2,700	1,800
Male	77,900	4,600	14,900	11,900	8,900	8,500	13,100	7,200	4,600	2,500	1,800
Female	59,300	9,100	17,600	8,500	5,900	7,600	5,200	2,700	2,600	S	S
White	118,500	10,300	26,300	17,800	13,400	14,400	16,700	8,200	6,900	2,700	1,800

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-34.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Black	2,000	500	S	S	S	S	S	S	S	S	S
Hispanic	5,700	1,100	2,100	600	S	1,000	S	S	S	S	S
Asian/Pacific Islander	10,100	1,800	3,800	1,600	700	S	S	1,100	S	S	S
Other	900	S	S	S	S	S	S	S	S	S	S
Physical and related scientists	142,500	8,100	31,600	18,300	20,700	20,600	14,000	11,900	9,800	3,600	3,900
Male	103,100	4,500	19,600	11,500	16,500	16,300	10,300	9,200	8,100	3,300	3,900
Female	39,400	3,600	12,000	6,800	4,200	4,300	3,800	2,700	1,700	S	S
White	123,000	7,000	27,400	14,800	17,100	18,600	12,200	10,700	8,100	3,000	3,900
Black	6,100	500	700	1,300	1,700	S	S	S	S	S	S
Hispanic	4,600	200	1,300	S	900	S	S	S	S	S	S
Asian/Pacific Islander	8,600	S	2,100	1,400	800	900	1,000	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Social and related scientists	73,400	11,600	27,700	8,400	4,900	8,100	5,700	4,400	S	S	S
Male	27,600	4,000	8,900	2,200	S	3,400	2,600	3,000	S	S	S
Female	45,800	7,600	18,800	6,100	3,200	4,700	3,100	S	S	S	S
White	60,200	8,300	22,600	7,100	4,200	6,200	5,700	4,100	S	S	S
Black	4,600	1,000	900	S	S	S	S	S	S	S	S
Hispanic	4,300	900	2,100	S	S	S	S	S	S	S	S
Asian/Pacific Islander	4,000	1,100	2,000	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Engineers	924,000	26,000	124,900	114,200	154,800	154,800	108,500	104,300	57,300	44,300	34,900
Male	835,100	19,000	100,600	98,800	137,700	141,600	102,600	101,100	56,500	42,700	34,500
Female	88,800	7,000	24,300	15,400	17,100	13,200	5,900	3,200	800	1,500	S
White	786,400	20,500	99,900	94,600	133,100	132,500	93,800	91,200	49,500	38,800	32,500
Black	27,900	900	5,400	3,500	5,500	5,600	2,700	2,300	S	S	S
Hispanic	34,400	1,100	6,500	6,100	6,000	7,000	2,800	2,000	1,100	S	1,200
Asian/Pacific Islander	71,900	3,500	12,500	9,200	9,700	9,200	8,500	8,600	5,700	4,000	900
Other	3,400	S	500	900	400	500	700	S	S	S	S
Master's											
S&E occupations	1,049,400	2,900	93,800	143,800	171,800	166,300	155,300	145,200	95,800	48,000	26,500
Male	763,100	1,500	59,900	100,500	123,200	118,100	112,600	107,700	79,900	38,100	21,600
Female	286,300	1,400	34,000	43,200	48,600	48,300	42,700	37,500	15,900	9,800	4,900
White	820,500	1,800	64,300	96,800	128,300	133,000	128,100	125,100	79,600	40,900	22,500
Black	36,600	S	3,700	6,200	5,600	6,500	6,200	3,700	2,400	1,400	1,000
Hispanic	33,600	S	2,800	6,900	7,800	4,700	4,500	2,300	2,600	1,300	500
Asian/Pacific Islander	155,500	1,000	22,400	33,400	29,700	21,500	16,300	13,800	11,000	4,100	2,300
Other	3,100	S	600	500	400	600	S	300	S	S	S
Scientists	665,300	2,200	64,700	91,600	104,100	103,000	105,300	95,400	57,600	25,900	15,400
Male	416,400	1,000	36,100	57,200	65,000	64,000	65,000	58,700	42,700	16,100	10,500
Female	248,900	1,200	28,600	34,400	39,100	39,100	40,300	36,700	14,900	9,700	4,900
White	523,100	1,400	44,800	60,600	75,900	82,200	88,100	83,500	50,000	23,300	13,400
Black	27,700	S	3,000	4,300	4,000	4,200	5,000	2,700	2,100	1,300	1,000
Hispanic	19,800	S	2,000	4,100	4,500	2,100	3,100	1,600	1,300	700	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-34.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Asian/Pacific Islander	92,600	700	14,300	22,200	19,400	14,300	8,900	7,400	4,100	S	700
Other	2,100	S	600	400	300	200	S	200	S	S	S
Computer and math scientists	358,800	700	28,800	50,200	62,700	60,300	56,400	52,500	31,400	10,500	5,300
Male	257,000	400	21,200	36,600	44,100	42,300	38,900	35,700	25,100	8,200	4,500
Female	101,800	S	7,600	13,600	18,700	18,000	17,500	16,800	6,300	2,300	800
White	259,800	500	14,900	26,200	43,400	44,900	45,200	43,800	27,300	9,100	4,400
Black	15,300	S	1,200	2,600	2,300	1,900	2,600	2,000	1,400	700	600
Hispanic	8,800	S	600	1,900	2,300	1,000	1,100	900	S	S	S
Asian/Pacific Islander	74,000	S	11,600	19,400	14,600	12,400	7,400	5,800	2,200	S	S
Other	900	S	S	S	S	S	S	S	S	S	S
Life and related scientists	73,800	700	7,000	9,300	14,300	11,900	9,800	10,900	5,900	3,600	S
Male	44,500	S	2,700	5,400	7,200	6,700	7,000	7,100	5,100	2,300	S
Female	29,400	S	4,300	3,900	7,000	5,200	2,800	3,800	800	1,300	S
White	62,300	S	5,500	7,800	11,200	10,500	8,400	9,900	5,500	3,000	S
Black	2,200	S	200	S	500	S	500	S	S	S	S
Hispanic	1,800	S	200	400	500	S	S	S	S	S	S
Asian/Pacific Islander	7,200	S	1,000	800	2,100	800	400	700	S	S	S
Other	300	S	S	S	S	S	S	S	S	S	S
Physical and related scientists	74,400	300	6,300	8,900	11,000	12,500	14,400	8,700	6,800	3,000	2,600
Male	54,300	S	4,600	6,100	7,700	7,700	10,800	7,200	5,500	2,100	2,600
Female	20,000	S	1,700	2,800	3,300	4,800	3,600	1,400	1,300	900	S
White	62,900	200	5,100	7,100	8,900	10,800	12,700	7,900	5,200	2,700	2,300
Black	2,000	S	300	200	300	600	400	S	S	S	S
Hispanic	1,900	S	200	400	300	S	S	S	S	S	S
Asian/Pacific Islander	7,200	S	700	1,300	1,300	1,000	700	500	1,400	S	S
Other	400	S	S	S	S	S	S	S	S	S	S
Social and related scientists	158,300	500	22,600	23,100	16,100	18,400	24,800	23,300	13,600	8,800	7,100
Male	60,600	S	7,600	9,100	6,100	7,200	8,300	8,700	7,000	3,500	3,100
Female	97,600	400	15,000	14,100	10,100	11,200	16,500	14,600	6,500	5,200	4,000
White	138,200	400	19,300	19,500	12,400	15,900	21,900	21,800	12,000	8,500	6,500
Black	8,100	S	1,300	1,400	900	1,300	1,400	500	600	S	S
Hispanic	7,200	S	900	1,400	1,500	900	1,100	600	S	S	S
Asian/Pacific Islander	4,200	S	900	700	1,400	S	S	300	S	S	S
Other	500	S	S	S	S	S	S	S	S	S	S
Engineers	384,100	700	29,200	52,100	67,700	63,300	50,000	49,800	38,200	22,100	11,100
Male	346,700	500	23,800	43,300	58,200	54,100	47,600	49,000	37,200	22,000	11,100
Female	37,400	300	5,400	8,800	9,500	9,200	2,400	S	900	S	S
White	297,400	400	19,500	36,200	52,400	50,900	40,000	41,600	29,600	17,600	9,100
Black	8,900	S	700	1,900	1,500	2,300	1,200	1,000	S	S	S
Hispanic	13,800	S	800	2,800	3,300	2,600	1,500	600	1,300	600	S
Asian/Pacific Islander	62,900	300	8,200	11,200	10,300	7,200	7,300	6,500	6,900	3,600	1,600
Other	1,000	S	S	S	S	400	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-34.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25		25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64
		Doctorate									
S&E occupations	489,900	S	9,000	47,100	73,200	79,300	75,400	75,300	67,900	37,400	25,100
Male	372,900	S	5,400	31,800	52,100	57,900	56,800	58,000	55,800	32,900	22,200
Female	117,000	S	3,700	15,300	21,100	21,400	18,600	17,300	12,100	4,500	2,900
White	386,100	S	6,700	33,000	49,900	58,100	61,800	63,500	59,700	31,900	21,600
Black	11,100	S	300	1,000	1,500	2,100	1,600	1,900	1,400	800	600
Hispanic	13,000	S	300	1,500	2,500	2,600	2,100	1,500	1,100	800	600
Asian/Pacific Islander	78,000	S	1,800	11,400	19,100	16,300	9,700	8,200	5,400	3,700	2,200
Other	1,600	S	S	200	200	200	200	200	300	200	100
Scientists	404,000	S	6,800	35,700	58,000	65,800	65,400	64,600	56,700	30,200	20,700
Male	293,500	S	3,700	22,300	38,600	45,500	47,500	47,600	44,800	25,800	17,800
Female	110,400	S	3,200	13,500	19,400	20,300	17,900	16,900	11,900	4,500	2,900
White	328,500	S	5,600	26,000	41,200	50,000	55,200	56,100	50,500	26,200	17,800
Black	9,400	S	100	700	1,200	1,900	1,400	1,700	1,400	700	600
Hispanic	11,100	S	100	1,300	2,100	2,200	1,900	1,300	1,000	700	500
Asian/Pacific Islander	53,500	S	1,000	7,600	13,400	11,600	6,700	5,300	3,600	2,500	1,700
Other	1,500	S	S	200	200	200	200	200	300	200	100
Computer and math scientists	67,500	S	1,900	6,500	10,500	10,700	10,000	11,300	10,100	4,100	2,600
Male	55,300	S	1,400	4,900	8,300	8,900	8,200	8,800	8,600	3,600	2,400
Female	12,300	S	500	1,500	2,200	1,800	1,800	2,500	1,400	500	100
White	49,900	S	1,500	3,800	6,300	6,900	7,800	9,100	8,600	3,500	2,300
Black	1,400	S	S	100	100	200	100	400	400	100	100
Hispanic	1,600	S	S	200	300	200	200	300	300	S	S
Asian/Pacific Islander	14,600	S	300	2,400	3,800	3,300	1,800	1,400	800	500	200
Other	100	S	S	S	S	S	S	S	S	S	S
Life and related scientists	122,300	S	2,000	12,500	20,900	21,600	19,800	17,100	15,400	7,400	5,600
Male	86,900	S	800	7,400	12,900	15,300	14,100	13,100	11,800	6,800	4,800
Female	35,400	S	1,200	5,200	8,000	6,300	5,700	4,000	3,500	600	800
White	96,600	S	1,600	8,900	14,500	16,000	17,100	14,700	13,300	6,100	4,400
Black	2,200	S	S	200	400	600	300	300	200	100	100
Hispanic	3,500	S	S	400	800	900	400	200	200	300	300
Asian/Pacific Islander	19,600	S	400	2,900	5,100	4,000	2,000	1,900	1,700	900	700
Other	400	S	S	S	100	100	S	100	S	S	S
Physical and related scientists	86,300	S	1,800	7,700	13,200	14,200	12,800	11,700	11,300	8,600	5,000
Male	75,000	S	1,200	5,700	10,700	11,600	11,200	11,000	10,600	8,100	4,800
Female	11,300	S	500	1,900	2,600	2,600	1,600	800	700	500	100
White	70,400	S	1,500	5,900	9,300	11,200	10,500	10,200	10,100	7,600	4,300
Black	1,300	S	S	100	300	200	300	100	100	S	100
Hispanic	1,800	S	S	200	500	300	200	200	200	100	S
Asian/Pacific Islander	12,500	S	300	1,500	3,100	2,500	1,900	1,200	800	800	500
Other	300	S	S	S	S	S	S	100	100	S	S
Social and related scientists	127,800	S	1,200	9,100	13,500	19,300	22,800	24,400	19,900	10,100	7,600
Male	76,400	S	200	4,200	6,800	9,800	14,000	14,700	13,700	7,200	5,800

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-34.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Female	51,400	S	900	4,900	6,700	9,500	8,800	9,700	6,200	2,800	1,800
White	111,600	S	1,100	7,400	11,100	15,900	19,800	22,100	18,600	9,000	6,800
Black	4,600	S	S	300	400	900	800	800	700	500	300
Hispanic	4,200	S	S	500	600	700	1,100	600	300	300	200
Asian/Pacific Islander	6,800	S	100	800	1,300	1,800	1,000	900	200	300	300
Other	700	S	S	100	100	100	100	S	200	S	100
Engineers	85,900	S	2,200	11,400	15,200	13,500	10,000	10,800	11,200	7,200	4,400
Male	79,400	S	1,700	9,600	13,500	12,400	9,300	10,400	11,000	7,200	4,300
Female	6,500	S	500	1,800	1,700	1,200	700	400	200	S	100
White	57,600	S	1,000	7,000	8,700	8,100	6,600	7,400	9,200	5,700	3,800
Black	1,700	S	200	300	300	300	200	200	100	100	S
Hispanic	1,900	S	200	300	400	300	200	200	100	100	S
Asian/Pacific Islander	24,500	S	800	3,700	5,700	4,800	3,000	2,900	1,800	1,200	500
Other	100	S	S	S	S	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^Includes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Appendix table 3-35.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
		All degree levels ^a									
S&E occupations	3,391,300	83,100	428,000	625,200	616,900	521,700	421,800	284,800	197,500	119,900	92,400
Male	2,619,300	53,600	302,000	457,900	462,900	405,900	335,000	236,100	174,200	108,300	83,400
Female	772,000	29,600	126,000	167,300	154,100	115,800	86,800	48,700	23,300	11,500	9,000
White	2,845,400	70,000	348,000	506,300	510,000	439,200	364,600	242,300	171,300	107,400	86,300
Black	122,800	3,800	19,300	25,600	25,700	19,900	12,800	7,400	4,400	2,300	1,600
Hispanic	100,700	2,800	16,200	25,600	18,700	13,800	8,300	7,500	4,300	2,100	1,400
Asian/Pacific Islander	311,800	6,500	42,900	66,200	60,100	47,400	35,100	26,500	16,400	7,900	2,800
Other	10,500	S	1,600	1,500	2,400	1,500	1,000	1,100	1,000	200	200
Scientists	1,950,900	53,600	242,100	347,800	363,500	327,400	253,800	166,400	98,900	55,200	42,100
Male	1,303,000	29,900	146,100	220,000	233,800	223,800	173,900	119,900	77,600	43,800	34,100
Female	647,900	23,800	96,000	127,800	129,800	103,600	79,800	46,500	21,200	11,400	8,000
White	1,641,400	45,500	195,800	275,600	299,900	279,400	225,400	145,200	87,200	49,000	38,600
Black	81,700	3,000	12,800	16,600	16,100	14,200	8,200	5,400	2,700	1,500	1,200
Hispanic	55,900	1,800	8,700	14,600	9,900	8,500	4,300	4,500	2,000	900	700
Asian/Pacific Islander	165,500	3,300	23,700	40,500	35,900	24,600	15,100	10,700	6,700	3,500	1,600
Other	6,400	S	1,200	600	1,700	800	700	800	300	200	S
Computer and math scientists	1,010,900	19,000	130,100	212,900	201,200	171,400	130,200	77,100	40,900	17,800	10,300
Male	701,000	12,500	85,300	140,100	138,500	120,200	90,400	58,000	33,100	14,600	8,300
Female	309,900	6,500	44,800	72,800	62,700	51,200	39,800	19,100	7,800	3,200	2,100
White	842,200	15,900	103,800	169,400	164,300	145,100	115,200	67,400	35,700	15,700	9,700
Black	45,600	1,000	7,600	10,600	9,900	7,500	4,500	2,500	1,300	600	300
Hispanic	27,300	400	4,100	8,200	4,700	4,600	1,800	2,300	1,000	S	100
Asian/Pacific Islander	93,300	1,700	14,300	24,300	21,500	14,000	8,600	4,600	2,700	1,300	200
Other	2,500	S	400	400	800	S	300	200	200	S	S
Life and related scientists	328,000	10,500	39,800	49,900	63,600	56,200	40,400	30,600	17,600	10,200	9,300
Male	215,500	5,900	22,000	26,600	36,800	40,800	30,600	21,500	14,800	8,200	8,200
Female	112,500	4,700	17,900	23,300	26,800	15,400	9,800	9,000	2,800	1,900	1,100
White	273,500	8,800	31,900	38,900	52,300	47,600	35,300	26,100	15,400	8,700	8,400
Black	10,500	S	1,800	1,800	1,700	2,000	900	700	300	300	300
Hispanic	10,400	700	1,900	2,300	1,600	1,400	900	900	300	300	200
Asian/Pacific Islander	32,500	400	4,100	6,700	7,400	5,000	3,100	2,900	1,600	800	400
Other	1,200	S	200	100	600	200	100	S	S	S	S
Physical and related scientists	289,100	10,600	37,600	50,300	50,700	41,200	31,500	25,600	18,900	12,100	10,600
Male	226,900	6,800	25,300	37,300	37,300	33,900	26,200	22,000	17,000	11,400	9,600
Female	62,300	3,800	12,300	13,000	13,500	7,300	5,300	3,600	1,900	700	900
White	244,300	9,200	31,200	40,000	42,600	35,400	27,800	21,600	16,100	10,900	9,500
Black	8,200	400	1,400	1,800	1,600	1,000	500	600	400	100	300
Hispanic	7,600	300	1,100	2,100	1,600	800	500	500	500	200	100
Asian/Pacific Islander	27,900	700	3,600	6,300	4,700	3,800	2,600	2,800	1,900	800	700
Other	1,000	S	S	100	200	200	100	100	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-35.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Social and related scientists	322,900	13,500	34,600	34,800	47,900	58,600	51,700	33,100	21,400	15,200	12,000
Male	159,600	4,800	13,600	16,000	21,100	28,900	26,700	18,300	12,700	9,600	8,000
Female	163,200	8,800	21,000	18,800	26,800	29,700	25,000	14,800	8,800	5,600	4,000
White	281,400	11,500	28,900	27,300	40,600	51,200	47,100	30,000	20,000	13,700	11,000
Black	17,400	1,000	2,000	2,300	2,900	3,700	2,300	1,600	700	500	300
Hispanic	10,600	S	1,600	1,900	2,000	1,700	1,100	800	300	300	300
Asian/Pacific Islander	11,800	500	1,800	3,200	2,300	1,700	800	400	400	600	300
Other	1,700	S	300	S	200	300	300	400	100	S	S
Engineers	1,440,400	29,500	185,900	277,400	253,400	194,300	168,000	118,400	98,600	64,700	50,300
Male	1,316,300	23,700	155,800	237,900	229,100	182,100	161,100	116,200	96,600	64,500	49,300
Female	124,100	5,800	30,000	39,500	24,300	12,200	6,900	2,200	2,000	200	1,000
White	1,204,000	24,500	152,200	230,700	210,100	159,800	139,200	97,100	84,100	58,400	47,800
Black	41,100	800	6,600	9,000	9,500	5,700	4,500	2,100	1,700	700	500
Hispanic	44,800	900	7,600	11,000	8,800	5,300	4,000	3,000	2,300	1,200	700
Asian/Pacific Islander	146,300	3,200	19,100	25,700	24,200	22,800	20,000	15,900	9,800	4,400	1,300
Other	4,100	S	400	900	700	700	300	300	700	S	S
Bachelor's											
S&E occupations	2,036,400	80,900	335,900	416,900	371,500	279,200	211,200	129,700	100,600	64,900	45,600
Male	1,599,600	52,000	238,900	308,400	288,100	227,600	175,800	112,400	91,900	61,000	43,400
Female	436,800	28,900	97,000	108,500	83,400	51,600	35,400	17,300	8,700	3,900	2,200
White	1,744,500	68,100	279,400	353,100	317,700	240,700	184,200	111,100	87,200	59,400	43,600
Black	85,800	3,800	16,400	20,300	18,100	11,300	7,400	4,000	3,000	900	S
Hispanic	64,900	2,700	13,500	17,600	11,500	7,500	4,300	3,600	2,600	1,000	700
Asian/Pacific Islander	134,100	6,200	25,200	24,900	22,500	18,600	14,800	10,400	7,100	3,500	800
Other	7,100	S	1,400	1,000	1,700	1,100	500	500	700	S	S
Scientists	1,025,400	52,400	186,300	217,500	193,600	153,400	103,100	57,200	35,300	16,900	9,700
Male	677,000	29,100	113,700	135,900	126,400	109,200	72,600	40,800	28,000	13,200	8,000
Female	348,400	23,200	72,600	81,600	67,200	44,200	30,500	16,400	7,300	3,800	1,700
White	872,900	44,300	154,100	180,000	165,100	132,700	90,900	50,200	31,100	15,500	9,000
Black	53,300	3,000	10,700	13,300	10,000	7,700	4,100	2,400	1,400	300	S
Hispanic	32,300	1,800	6,800	9,500	5,200	4,000	1,900	1,700	900	S	S
Asian/Pacific Islander	62,700	3,200	13,700	14,100	12,000	8,400	5,900	2,600	1,700	900	S
Other	4,100	S	1,000	500	1,300	500	300	S	S	S	S
Computer and math scientists	686,600	18,500	107,600	161,100	139,700	109,300	76,000	40,200	22,800	8,500	2,900
Male	465,000	12,200	70,100	103,300	94,400	77,100	52,400	28,500	18,000	6,600	2,300
Female	221,600	6,300	37,500	57,800	45,300	32,200	23,600	11,600	4,800	1,900	600
White	582,500	15,500	88,600	132,900	117,600	94,200	67,000	36,100	20,000	7,700	2,700
Black	35,300	1,000	6,700	9,200	7,900	5,100	3,000	1,300	900	S	S
Hispanic	20,200	400	3,300	6,900	3,500	3,100	1,100	1,200	600	S	S
Asian/Pacific Islander	46,500	1,600	8,700	11,700	10,000	6,800	4,500	1,400	1,100	600	S
Other	2,000	S	S	300	700	S	300	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-35.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Life and related scientists	134,200	10,400	30,100	20,900	24,700	19,600	10,800	8,200	4,700	2,800	1,900
Male	83,600	5,700	16,900	10,000	13,400	15,700	8,600	5,800	3,700	2,400	1,400
Female	50,600	4,700	13,200	10,900	11,300	4,000	2,200	2,500	900	S	600
White	116,300	8,700	24,900	17,700	22,200	17,500	9,500	7,200	4,400	2,600	1,700
Black	5,800	S	1,300	1,200	600	1,000	S	S	S	S	S
Hispanic	5,200	700	1,700	1,000	500	400	400	S	S	S	S
Asian/Pacific Islander	6,300	400	2,200	1,000	1,000	600	600	300	S	S	S
Other	700	S	S	S	S	S	S	S	S	S	S
Physical and related scientists	134,000	10,400	27,900	25,300	22,300	16,400	10,300	7,000	6,600	3,900	4,000
Male	98,900	6,600	18,400	18,100	16,300	12,800	8,000	5,800	5,800	3,700	3,400
Female	35,100	3,800	9,500	7,200	6,000	3,600	2,300	1,100	800	S	500
White	116,000	9,000	23,700	21,600	19,800	14,400	9,200	5,500	5,600	3,600	3,700
Black	5,800	400	1,300	1,500	900	500	S	500	S	S	S
Hispanic	3,900	200	900	1,100	900	300	S	S	S	S	S
Asian/Pacific Islander	7,500	700	1,800	1,000	600	1,000	700	800	500	S	S
Other	700	S	S	S	S	S	S	S	S	S	S
Social and related scientists	70,700	13,100	20,600	10,100	6,900	8,100	6,000	1,900	1,200	1,800	1,000
Male	29,500	4,600	8,300	4,500	2,300	3,600	3,700	700	S	600	1,000
Female	41,200	8,500	12,400	5,600	4,600	4,500	2,400	1,200	800	1,200	S
White	58,100	11,100	16,900	7,700	5,600	6,600	5,300	1,400	1,000	1,600	800
Black	6,400	1,000	1,400	1,400	600	1,100	500	S	S	S	S
Hispanic	3,100	S	1,000	600	S	S	S	S	S	S	S
Asian/Pacific Islander	2,300	S	1,000	400	S	S	S	S	S	S	S
Other	700	S	S	S	S	S	S	S	S	S	S
Engineers	1,011,000	28,500	149,700	199,500	177,900	125,800	108,000	72,500	65,300	48,000	35,900
Male	922,600	22,900	125,300	172,500	161,700	118,400	103,100	71,600	63,900	47,800	35,400
Female	88,400	5,700	24,400	27,000	16,200	7,400	4,900	900	1,400	S	S
White	871,500	23,800	125,300	173,100	152,600	108,000	93,300	60,900	56,100	44,000	34,600
Black	32,500	800	5,800	7,000	8,000	3,600	3,300	1,600	1,500	600	S
Hispanic	32,600	900	6,700	8,100	6,300	3,500	2,300	1,900	1,700	700	500
Asian/Pacific Islander	71,400	3,000	11,500	10,800	10,500	10,200	8,900	7,900	5,400	2,600	600
Other	3,000	S	400	500	400	600	S	S	S	S	S
Master's											
S&E occupations	916,500	2,200	84,500	158,700	170,000	164,400	138,000	91,200	54,700	28,200	24,600
Male	677,200	1,600	57,800	114,000	118,700	120,800	104,000	70,900	45,900	23,700	19,700
Female	239,300	600	26,700	44,700	51,300	43,600	34,000	20,300	8,800	4,500	4,900
White	744,100	1,900	63,400	117,100	135,400	135,300	118,800	76,700	47,900	24,900	22,700
Black	26,900	S	2,600	4,200	5,900	6,600	3,200	2,100	900	700	800
Hispanic	25,100	S	2,400	6,200	4,800	4,500	2,900	2,500	1,000	600	300
Asian/Pacific Islander	118,400	200	16,000	30,900	23,200	17,900	13,000	9,700	4,700	2,100	600
Other	1,900	S	S	400	600	S	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-35.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Scientists	556,400	1,300	50,200	90,100	106,500	105,900	88,600	55,200	28,700	16,200	13,700
Male	348,900	700	28,900	56,700	62,500	66,200	56,300	36,000	20,500	11,800	9,300
Female	207,500	500	21,300	33,400	44,000	39,700	32,400	19,200	8,300	4,400	4,400
White	460,500	1,200	37,800	65,400	85,300	89,800	80,200	47,900	25,700	14,500	12,700
Black	19,400	S	1,900	2,300	4,600	4,800	2,300	1,700	700	500	600
Hispanic	14,200	S	1,500	3,400	2,500	2,900	1,300	1,600	500	S	S
Asian/Pacific Islander	61,600	S	8,900	18,800	13,900	8,400	4,700	3,800	1,800	800	200
Other	800	S	S	S	300	S	S	S	S	S	S
Computer and math scientists	271,900	500	21,300	45,200	54,100	52,600	45,400	27,400	13,200	6,900	5,300
Male	192,300	200	14,400	31,300	37,700	36,000	30,900	21,200	10,800	5,800	4,000
Female	79,600	S	6,900	13,900	16,400	16,600	14,500	6,200	2,500	1,100	1,300
White	218,200	400	14,700	31,900	41,500	43,100	40,800	23,200	11,400	6,200	5,100
Black	8,600	S	900	1,200	1,700	2,100	1,100	900	300	S	S
Hispanic	5,800	S	600	1,200	1,100	1,200	500	1,000	S	S	S
Asian/Pacific Islander	39,000	S	5,100	10,900	9,600	6,100	3,100	2,300	1,200	500	S
Other	300	S	S	S	S	S	S	S	S	S	S
Life and related scientists	72,200	S	7,500	14,300	13,800	12,700	11,300	7,600	2,600	1,500	800
Male	41,200	S	3,700	7,600	6,300	8,100	8,000	4,100	1,800	900	600
Female	31,000	S	3,800	6,700	7,500	4,700	3,300	3,500	800	600	S
White	58,500	S	5,400	10,700	10,600	10,800	10,100	6,400	2,100	1,400	800
Black	2,800	S	400	500	700	500	300	S	S	S	S
Hispanic	1,900	S	100	400	200	500	S	S	S	S	S
Asian/Pacific Islander	9,000	S	1,500	2,700	2,200	800	600	800	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Physical and related scientists	75,400	300	8,500	14,000	14,600	12,400	10,600	6,700	3,500	2,600	2,500
Male	57,900	200	6,000	10,400	9,200	10,000	8,700	5,400	3,200	2,400	2,300
Female	17,600	100	2,500	3,500	5,400	2,300	1,900	1,300	300	S	S
White	63,500	200	6,600	10,000	12,300	11,300	9,600	5,900	3,100	2,300	2,100
Black	1,300	S	100	100	600	S	S	S	S	S	S
Hispanic	2,000	S	200	700	300	S	S	S	S	S	S
Asian/Pacific Islander	8,600	S	1,600	3,100	1,300	700	800	700	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Social and related scientists	136,900	400	12,900	16,600	24,100	28,100	21,300	13,400	9,500	5,200	5,200
Male	57,500	S	4,800	7,400	9,400	12,100	8,700	5,300	4,700	2,600	2,300
Female	79,400	S	8,100	9,300	14,700	16,000	12,600	8,100	4,800	2,600	2,900
White	120,300	400	11,200	12,900	20,800	24,500	19,700	12,400	9,100	4,600	4,800
Black	6,800	S	500	600	1,600	2,000	800	600	S	S	S
Hispanic	4,500	S	600	1,100	900	800	400	400	S	S	S
Asian/Pacific Islander	5,000	S	700	2,100	800	800	S	S	S	S	S
Other	300	S	S	S	S	S	S	S	S	S	S
Engineers	360,000	900	34,300	68,600	63,400	58,500	49,400	36,000	25,900	12,000	10,900
Male	328,300	800	28,900	57,300	56,200	54,600	47,800	34,900	25,400	12,000	10,400
Female	31,800	100	5,400	11,300	7,300	3,900	1,600	1,100	500	S	S
White	283,700	800	25,600	51,600	50,100	45,500	38,600	28,800	22,200	10,400	10,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-35.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Black	7,500	S	800	1,800	1,300	1,800	900	300	S	S	S
Hispanic	10,900	S	900	2,700	2,300	1,600	1,600	900	400	300	S
Asian/Pacific Islander	56,900	100	7,100	12,000	9,300	9,500	8,300	5,900	2,900	1,200	400
Other	1,000	S	S	300	300	S	S	S	S	S	S
Doctorate											
S&E occupations	402,100	S	6,800	45,700	70,000	70,300	67,100	61,000	37,900	24,600	18,600
Male	316,400	S	4,800	32,500	51,900	53,400	51,300	51,000	32,900	21,900	16,800
Female	85,600	S	2,000	13,200	18,000	16,900	15,800	9,900	5,000	2,800	1,900
White	326,500	S	4,700	33,500	52,200	56,700	56,900	51,800	32,300	21,400	16,900
Black	9,000	S	300	800	1,600	1,600	2,000	1,300	600	700	200
Hispanic	9,300	S	400	1,300	2,200	1,500	1,100	1,400	700	500	300
Asian/Pacific Islander	55,700	S	1,400	10,000	13,700	10,200	6,800	6,200	4,100	1,900	1,200
Other	1,500	S	100	S	200	200	300	300	100	200	S
Scientists	335,700	S	5,000	36,800	58,400	60,700	56,900	51,500	30,600	20,200	15,700
Male	253,700	S	3,100	24,700	41,200	44,600	41,400	41,800	25,700	17,400	13,800
Female	82,000	S	1,900	12,000	17,200	16,100	15,500	9,700	5,000	2,800	1,900
White	280,200	S	3,400	27,700	45,400	50,700	49,900	44,700	26,700	17,500	14,300
Black	8,100	S	200	700	1,500	1,500	1,600	1,200	500	700	200
Hispanic	8,100	S	300	1,200	2,000	1,200	1,000	1,100	600	400	300
Asian/Pacific Islander	37,900	S	900	7,100	9,300	7,100	4,100	4,200	2,700	1,400	900
Other	1,400	S	100	S	100	200	300	300	100	200	S
Computer and math scientists	49,400	S	1,200	5,400	7,200	8,900	8,700	9,300	4,700	2,100	2,000
Male	41,000	S	700	4,400	6,200	6,700	7,000	8,100	4,100	1,900	1,800
Female	8,400	S	400	1,000	1,000	2,200	1,700	1,200	600	100	200
White	39,100	S	500	3,600	5,000	7,200	7,400	7,900	4,100	1,500	1,900
Black	1,300	S	S	100	200	300	100	200	100	300	S
Hispanic	1,300	S	S	100	200	300	200	200	S	S	100
Asian/Pacific Islander	7,600	S	500	1,600	1,800	1,100	1,000	900	500	200	S
Other	200	S	S	S	S	S	S	S	S	S	S
Life and related scientists	99,500	S	1,500	12,800	21,500	19,000	15,200	13,600	7,500	4,500	3,900
Male	74,200	S	900	7,900	14,500	14,200	11,400	11,000	6,700	4,000	3,600
Female	25,300	S	600	4,900	7,000	4,800	3,800	2,600	800	600	300
White	81,000	S	1,100	9,400	16,600	15,400	13,200	11,500	6,400	3,900	3,500
Black	1,600	S	S	200	400	200	300	100	100	100	S
Hispanic	2,400	S	S	500	700	300	100	300	200	S	100
Asian/Pacific Islander	14,200	S	200	2,600	3,700	3,000	1,500	1,600	800	400	200
Other	300	S	S	S	S	100	S	S	S	S	S
Physical and related scientists	79,000	S	1,200	11,000	13,800	12,400	10,500	11,500	8,800	5,600	4,200
Male	69,800	S	900	8,800	11,700	11,100	9,500	10,700	7,900	5,300	3,900
Female	9,200	S	300	2,200	2,100	1,400	1,100	800	900	300	300
White	64,100	S	900	8,300	10,400	9,700	9,000	9,800	7,400	4,900	3,700
Black	1,200	S	S	200	200	400	200	S	100	100	S
Hispanic	1,800	S	100	300	400	200	200	300	200	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-35.

Individuals in labor force in S&E occupations by highest degree attained, occupation, sex, race/ethnicity, and age: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Age (years)									
		Less than 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Asian/Pacific Islander	11,800	S	200	2,200	2,700	2,100	1,100	1,300	1,100	500	400
Other	200	S	S	S	S	S	100	S	S	S	S
Social and related scientists	107,800	S	1,000	7,600	15,900	20,400	22,500	17,100	9,700	8,000	5,500
Male	68,700	S	500	3,700	8,800	12,600	13,500	12,000	6,900	6,200	4,500
Female	39,100	S	600	3,900	7,100	7,800	8,900	5,200	2,700	1,800	1,100
White	96,000	S	800	6,500	13,300	18,300	20,300	15,500	8,800	7,200	5,200
Black	4,100	S	S	200	700	600	1,000	700	300	200	S
Hispanic	2,700	S	S	300	700	500	500	300	200	100	S
Asian/Pacific Islander	4,300	S	S	700	1,100	800	500	300	200	400	200
Other	700	S	S	S	100	100	200	200	100	S	S
Engineers	66,400	S	1,800	9,000	11,600	9,600	10,200	9,500	7,200	4,500	3,000
Male	62,700	S	1,700	7,800	10,700	8,800	9,900	9,300	7,200	4,500	3,000
Female	3,600	S	100	1,200	800	800	300	200	100	S	S
White	46,300	S	1,300	5,800	6,800	6,000	7,000	7,100	5,700	3,900	2,600
Black	1,000	S	S	100	100	200	400	100	S	S	S
Hispanic	1,200	S	S	200	200	200	100	200	100	S	S
Asian/Pacific Islander	17,800	S	500	2,800	4,400	3,100	2,700	2,000	1,400	500	300
Other	100	S	S	S	S	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993.

Appendix table 3-36.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1999

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
		All degree levels^a									
S&E degree fields	8,131,400	277,100	1,142,100	998,000	1,076,100	1,171,400	1,210,700	1,045,800	632,700	330,400	247,100
Male	5,307,200	118,600	613,400	630,200	701,700	770,100	805,500	736,500	468,600	262,300	200,300
Female	2,824,200	158,500	528,800	367,800	374,400	401,300	405,200	309,200	164,000	68,100	46,800
White	6,667,600	216,500	882,400	791,800	862,700	955,800	1,024,800	893,900	536,400	280,200	223,100
Black	429,600	15,600	72,100	53,000	57,500	63,300	65,600	49,000	30,800	14,100	8,600
Hispanic	329,800	16,400	70,000	48,600	51,500	49,800	38,500	23,500	15,600	10,100	5,800
Asian/Pacific Islander	674,000	28,000	111,000	100,800	100,700	98,600	77,300	75,700	48,000	24,700	9,100
Other	30,300	600	6,700	3,700	3,700	3,900	4,500	3,700	1,900	1,300	400
Sciences	6,163,800	238,100	920,500	743,200	748,400	847,600	974,900	821,400	481,600	225,100	162,900
Male	3,527,200	89,400	433,100	410,200	415,100	482,400	581,400	518,400	321,700	158,700	116,800
Female	2,636,500	148,700	487,300	333,100	333,300	365,300	393,400	303,000	160,000	66,400	46,100
White	5,096,700	187,400	721,000	600,900	604,400	697,800	828,600	706,600	412,800	191,600	145,700
Black	375,100	14,300	62,200	44,200	47,800	51,700	61,300	44,100	28,600	12,800	8,000
Hispanic	251,600	14,500	58,600	36,300	35,600	33,700	31,400	19,200	12,000	6,900	3,400
Asian/Pacific Islander	415,000	21,300	72,800	58,900	57,800	61,400	49,800	48,300	26,500	12,700	5,500
Other	25,300	600	5,900	2,900	2,700	3,000	3,800	3,200	1,800	1,100	200
Computer and math sciences	1,058,900	24,100	115,600	155,600	195,100	165,100	148,400	133,200	75,100	33,700	13,100
Male	717,900	15,800	77,000	106,600	127,400	110,800	99,700	92,800	52,400	26,100	9,400
Female	341,000	8,200	38,600	49,000	67,700	54,300	48,700	40,400	22,700	7,700	3,800
White	834,600	18,400	82,900	113,000	149,800	127,100	123,200	112,400	66,700	29,500	11,600
Black	61,300	1,600	8,900	11,700	12,700	8,000	7,100	5,900	2,800	2,000	600
Hispanic	34,800	1,000	4,700	6,500	8,600	6,300	3,400	2,400	900	800	S
Asian/Pacific Islander	123,700	3,100	18,200	23,700	23,300	22,900	14,200	11,900	4,300	1,300	800
Other	4,600	S	800	800	700	800	600	500	300	S	S
Life and related sciences	1,311,700	57,500	197,800	139,400	155,600	209,100	216,200	163,500	100,200	43,300	29,200
Male	764,200	20,400	95,700	74,900	83,100	121,200	131,900	113,300	67,900	33,100	22,700
Female	547,500	37,100	102,100	64,500	72,500	87,800	84,400	50,100	32,300	10,100	6,500
White	1,094,800	44,800	160,000	112,200	128,500	176,000	185,600	141,400	87,100	34,100	25,100
Black	61,700	3,500	8,600	6,300	8,200	11,100	11,000	6,100	3,500	1,900	1,600
Hispanic	50,800	3,200	11,100	6,800	6,000	7,600	7,400	3,100	2,000	2,500	1,100
Asian/Pacific Islander	99,200	6,000	16,800	13,300	12,200	14,000	11,700	12,100	7,600	4,400	1,300
Other	5,300	S	1,300	800	800	400	500	800	100	300	S
Physical and related sciences	635,300	13,900	65,400	60,300	84,900	100,300	93,300	77,000	67,400	41,700	31,100
Male	492,900	7,700	41,500	42,500	66,200	75,400	75,900	61,300	59,000	35,100	28,200
Female	142,400	6,100	24,000	17,800	18,700	24,900	17,400	15,600	8,400	6,600	2,900
White	532,700	11,800	54,100	48,900	69,000	85,100	78,800	63,500	56,900	36,500	28,000
Black	22,800	600	2,600	2,700	2,900	2,300	3,100	3,400	2,300	1,600	1,200
Hispanic	18,900	600	2,800	2,000	3,400	3,100	2,700	1,200	1,900	700	500
Asian/Pacific Islander	58,300	800	5,500	6,600	9,400	9,400	8,200	8,300	6,000	2,900	1,300
Other	2,600	S	300	200	300	500	500	500	200	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-36.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1999

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Social and related sciences	3,157,800	142,700	541,700	387,900	312,800	373,100	517,000	447,800	239,000	106,400	89,400
Male	1,552,100	45,500	219,000	186,100	138,300	174,900	274,000	250,900	142,300	64,500	56,600
Female	1,605,700	97,200	322,700	201,800	174,500	198,200	243,000	196,900	96,600	41,900	32,800
White	2,634,700	112,400	423,900	326,800	257,200	309,600	441,100	389,200	202,100	91,500	81,000
Black	229,300	8,600	42,100	23,600	24,100	30,300	40,100	28,700	19,900	7,200	4,600
Hispanic	147,100	9,700	40,000	21,000	17,600	16,700	17,900	12,500	7,200	2,900	1,600
Asian/Pacific Islander	133,800	11,500	32,300	15,400	13,000	15,200	15,700	15,900	8,500	4,200	2,200
Other	12,800	S	3,500	1,100	1,000	1,300	2,200	1,400	1,200	600	100
Engineers	1,967,600	39,000	221,700	254,800	327,700	323,800	235,900	224,300	151,000	105,300	84,200
Male	1,780,000	29,200	180,200	220,100	286,600	287,700	224,100	218,100	147,000	103,500	83,400
Female	187,700	9,800	41,500	34,700	41,100	36,100	11,800	6,200	4,100	1,800	700
White	1,570,900	29,000	161,500	191,000	258,400	258,000	196,100	187,300	123,600	88,600	77,400
Black	54,500	1,300	9,900	8,800	9,600	11,600	4,300	4,800	2,300	1,300	600
Hispanic	78,200	1,900	11,400	12,300	15,900	16,100	7,200	4,300	3,600	3,200	2,400
Asian/Pacific Islander	258,900	6,700	38,200	41,900	42,900	37,200	27,500	27,500	21,500	12,000	3,600
Other	5,100	S	800	800	1,000	800	700	500	100	S	S
Bachelor's											
S&E degree fields	5,982,400	273,600	1,013,200	767,000	795,100	847,800	861,600	694,700	368,400	197,400	163,500
Male	3,827,100	117,000	538,300	476,300	509,500	559,300	576,400	494,000	267,500	156,800	132,100
Female	2,155,300	156,500	475,000	290,800	285,600	288,500	285,200	200,700	101,000	40,600	31,400
White	4,971,800	214,400	792,800	632,300	659,500	703,600	739,000	597,500	311,400	169,200	152,200
Black	345,500	15,600	66,400	44,600	48,700	50,600	49,900	34,700	20,700	9,700	4,800
Hispanic	263,200	16,200	65,100	39,000	39,400	38,700	28,100	16,800	10,300	6,400	3,300
Asian/Pacific Islander	379,000	26,800	83,000	48,400	45,300	52,300	41,200	42,600	24,800	11,600	3,000
Other	22,800	600	5,900	2,800	2,200	2,700	3,500	3,000	1,300	600	S
Sciences	4,581,400	235,900	833,500	591,900	565,300	616,000	698,800	539,600	275,000	126,700	98,700
Male	2,560,000	88,600	392,000	324,200	309,000	350,800	420,700	343,000	176,400	87,500	67,700
Female	2,021,400	147,300	441,500	267,700	256,300	265,200	278,200	196,500	98,600	39,200	31,100
White	3,808,700	186,100	655,900	489,800	468,400	512,800	599,400	463,700	233,000	108,600	91,100
Black	301,800	14,300	57,600	38,300	41,100	41,000	46,500	30,900	19,200	8,500	4,400
Hispanic	204,100	14,400	55,100	29,900	28,000	26,500	23,100	13,500	8,300	4,200	1,300
Asian/Pacific Islander	247,900	20,600	59,600	31,900	26,200	33,600	27,000	29,000	13,300	4,900	1,800
Other	18,800	600	5,300	2,200	1,600	2,000	2,700	2,500	1,200	500	S
Computer and math sciences	751,800	23,600	94,800	119,800	149,800	113,000	100,500	84,800	41,000	17,200	7,100
Male	498,300	15,500	62,300	80,800	95,500	74,900	68,000	57,900	26,300	12,200	4,900
Female	253,500	8,100	32,600	39,000	54,400	38,100	32,500	26,900	14,700	5,000	2,200
White	609,100	18,100	71,800	93,400	118,900	90,200	85,500	71,500	37,300	15,700	6,700
Black	49,800	1,600	8,100	10,100	11,100	6,300	5,700	4,200	1,300	1,200	S
Hispanic	28,800	1,000	4,500	5,600	7,600	5,400	1,900	1,900	S	S	S
Asian/Pacific Islander	60,900	2,900	10,200	9,900	11,700	10,700	6,800	6,800	1,600	S	S
Other	3,200	S	300	700	500	S	600	500	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-36.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1999

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Life and related sciences	966,000	56,800	185,300	106,700	109,400	152,700	154,400	107,400	52,800	22,900	17,600
Male	547,100	20,100	90,100	56,700	58,000	89,500	93,300	75,700	33,900	16,900	12,900
Female	418,900	36,600	95,200	50,000	51,400	63,200	61,100	31,700	18,900	6,000	4,700
White	815,100	44,600	150,200	86,800	94,400	129,200	134,600	94,800	46,200	18,500	15,800
Black	49,300	3,500	8,100	5,500	6,800	9,400	8,500	3,600	1,800	S	S
Hispanic	40,300	3,200	10,600	5,900	4,200	6,300	5,300	1,800	1,300	1,600	S
Asian/Pacific Islander	57,400	5,400	15,100	8,100	3,600	7,600	5,800	6,600	3,500	1,500	S
Other	3,900	S	1,300	600	S	300	S	S	S	S	S
Physical and related sciences	390,500	13,700	55,300	39,200	51,700	61,900	56,000	41,500	30,800	23,900	16,500
Male	294,000	7,600	34,800	26,800	41,700	46,000	45,600	31,100	25,900	19,800	14,700
Female	96,500	6,100	20,500	12,400	10,100	16,000	10,400	10,300	4,900	4,200	1,800
White	333,900	11,700	46,000	33,000	44,900	54,700	48,200	33,700	25,500	21,000	15,100
Black	17,900	600	2,400	2,300	2,200	1,800	2,200	2,600	1,700	1,400	S
Hispanic	13,100	600	2,400	1,300	2,400	1,800	1,700	800	1,100	S	S
Asian/Pacific Islander	23,900	700	4,200	2,400	2,100	3,300	3,400	4,000	2,300	1,100	S
Other	1,800	S	300	S	S	S	S	S	S	S	S
Social and related sciences	2,473,100	141,800	498,000	326,200	254,300	288,300	387,900	305,900	150,400	62,600	57,500
Male	1,220,600	45,400	204,900	159,900	113,800	140,400	213,800	178,300	90,300	38,600	35,100
Female	1,252,600	96,500	293,200	166,400	140,500	147,900	174,100	127,600	60,100	24,000	22,300
White	2,050,700	111,700	388,000	276,500	210,100	238,700	331,100	263,800	124,000	53,400	53,400
Black	184,800	8,600	39,000	20,300	21,000	23,600	30,100	20,500	14,500	4,800	2,400
Hispanic	121,900	9,700	37,600	17,100	13,800	13,000	14,100	9,000	5,200	1,900	S
Asian/Pacific Islander	105,800	11,500	30,100	11,500	8,800	12,000	11,000	11,700	5,900	2,200	S
Other	9,900	S	3,400	700	600	900	1,600	1,000	800	S	S
Engineers	1,401,000	37,700	179,800	175,100	229,800	231,800	162,800	155,100	93,400	70,700	64,800
Male	1,267,200	28,400	146,200	152,000	200,500	208,500	155,700	150,900	91,000	69,300	64,500
Female	133,800	9,300	33,500	23,000	29,300	23,300	7,100	4,200	2,400	1,400	S
White	1,163,100	28,300	136,900	142,500	191,100	190,700	139,600	133,800	78,500	60,600	61,200
Black	43,700	1,300	8,800	6,300	7,600	9,500	3,300	3,900	1,500	1,200	S
Hispanic	59,000	1,800	10,000	9,100	11,400	12,200	5,000	3,400	2,000	2,200	2,000
Asian/Pacific Islander	131,100	6,300	23,400	16,500	19,000	18,700	14,200	13,600	11,400	6,600	1,200
Other	5,100	S	700	600	600	700	700	S	S	S	S
Master's											
S&E degree fields	1,517,400	3,500	118,300	176,200	195,600	225,200	248,000	247,300	171,900	82,100	49,300
Male	1,004,100	1,600	69,300	117,200	131,300	140,400	155,500	164,200	124,700	61,600	38,300
Female	513,300	1,900	49,000	59,000	64,300	84,800	92,600	83,100	47,200	20,500	11,000
White	1,195,900	2,100	81,300	121,200	144,900	178,800	203,200	208,700	145,300	68,600	41,700
Black	69,500	S	5,600	7,200	6,700	10,000	13,300	11,500	8,300	3,700	3,000
Hispanic	49,000	200	4,600	7,900	9,100	8,100	7,700	4,600	3,300	2,100	1,400
Asian/Pacific Islander	198,000	1,100	26,000	39,300	33,600	27,500	23,100	22,200	14,900	7,200	3,100
Other	5,100	S	700	600	1,200	700	800	S	S	500	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-36.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1999

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Sciences	1,058,200	2,200	79,000	110,100	116,200	150,300	188,000	191,200	129,000	57,300	35,000
Male	591,000	800	37,300	60,700	61,800	76,800	99,300	109,800	83,200	37,000	24,300
Female	467,200	1,400	41,700	49,400	54,400	73,400	88,700	81,500	45,900	20,200	10,700
White	858,400	1,400	58,100	80,600	88,000	121,400	154,900	164,200	111,600	48,400	29,900
Black	60,500	S	4,500	5,000	5,100	8,200	12,600	10,800	7,700	3,600	2,800
Hispanic	32,600	S	3,500	5,000	5,100	4,600	5,900	4,000	1,900	1,400	1,100
Asian/Pacific Islander	102,400	700	12,300	18,900	17,000	15,500	13,800	12,000	7,600	3,400	1,200
Other	4,300	S	600	500	900	600	800	S	S	400	S
Computer and math sciences	266,400	500	19,200	32,100	39,200	45,500	41,600	42,000	27,900	13,600	4,700
Male	185,000	400	13,600	22,700	27,200	30,400	26,200	29,500	20,600	11,200	3,200
Female	81,400	S	5,600	9,400	12,100	15,100	15,400	12,500	7,300	2,400	1,500
White	194,300	300	10,000	17,100	27,000	32,200	32,600	35,700	24,000	11,400	3,900
Black	10,900	S	800	1,500	1,600	1,600	1,300	1,600	1,500	800	S
Hispanic	4,900	S	200	800	900	700	1,200	S	S	S	S
Asian/Pacific Islander	55,200	S	7,800	12,700	9,500	10,700	6,400	4,400	2,200	S	S
Other	1,100	S	S	S	S	S	S	S	S	S	S
Life and related sciences	166,900	700	10,000	16,800	21,700	26,300	29,900	27,400	22,500	8,700	2,800
Male	93,000	S	4,500	8,800	9,600	11,900	16,900	17,300	14,800	6,500	2,500
Female	73,900	500	5,400	8,000	12,200	14,400	13,100	10,100	7,800	2,200	S
White	138,500	S	7,700	14,100	16,900	23,900	24,700	22,200	19,800	6,800	2,100
Black	7,800	S	500	500	800	700	1,800	1,500	1,100	S	S
Hispanic	4,300	S	500	500	800	300	1,000	800	S	S	S
Asian/Pacific Islander	15,500	S	1,300	1,500	2,800	1,400	2,100	3,000	1,600	1,100	S
Other	800	S	S	S	400	S	S	S	S	S	S
Physical and related sciences	115,300	200	7,900	10,600	14,000	18,400	19,500	16,000	17,300	5,200	6,300
Male	86,300	S	5,200	7,600	9,300	13,100	14,600	12,300	15,000	3,600	5,400
Female	29,000	S	2,700	2,900	4,700	5,300	4,900	3,700	2,300	1,600	S
White	95,700	S	6,300	8,000	11,500	15,300	15,800	13,700	14,600	4,800	5,600
Black	3,300	S	200	200	300	200	700	S	S	S	S
Hispanic	3,400	S	400	400	400	800	800	S	S	S	S
Asian/Pacific Islander	12,400	S	1,100	1,900	1,700	1,900	2,100	1,500	1,800	S	S
Other	500	S	S	S	S	S	S	S	S	S	S
Social and related sciences	509,700	900	41,900	50,600	41,200	60,100	96,900	105,800	61,300	29,800	21,200
Male	226,800	S	14,000	21,500	15,700	21,500	41,600	50,700	32,900	15,700	13,100
Female	282,900	800	27,900	29,100	25,500	38,600	55,300	55,100	28,400	14,100	8,000
White	429,900	700	34,200	41,500	32,600	50,000	81,700	92,500	53,100	25,400	18,200
Black	38,400	S	3,100	2,800	2,400	5,600	8,800	7,200	4,600	2,100	1,800
Hispanic	20,000	S	2,400	3,300	3,100	2,800	2,800	2,700	1,400	700	700
Asian/Pacific Islander	19,400	S	2,100	2,800	2,900	1,500	3,100	3,100	2,000	1,400	S
Other	2,000	S	S	300	S	300	400	S	S	S	S
Engineers	459,200	1,300	39,300	66,100	79,400	74,900	60,100	56,100	42,900	24,800	14,300
Male	413,100	800	32,000	56,500	69,500	63,500	56,100	54,500	41,600	24,600	14,000
Female	46,100	500	7,400	9,600	9,900	11,300	3,900	1,600	1,300	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-36.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1999

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
White	337,500	700	23,200	40,600	56,900	57,400	48,300	44,600	33,700	20,300	11,800
Black	9,000	S	1,100	2,200	1,600	1,800	700	700	600	S	S
Hispanic	16,400	100	1,200	2,900	4,000	3,500	1,800	600	1,400	600	S
Asian/Pacific Islander	95,500	400	13,700	20,400	16,600	12,000	9,300	10,200	7,300	3,800	1,800
Other	800	S	S	100	300	S	S	S	S	S	S
Doctorate											
S&E degree fields	623,400	S	10,100	54,200	85,000	96,900	99,900	101,400	91,300	50,500	34,200
Male	472,600	S	5,800	36,300	60,700	69,500	73,200	77,200	76,200	43,900	29,800
Female	150,700	S	4,200	17,900	24,300	27,500	26,600	24,200	15,100	6,600	4,400
White	491,900	S	7,700	37,700	57,900	72,100	81,500	85,200	78,700	41,900	29,200
Black	14,600	S	100	1,300	2,000	2,700	2,400	2,700	1,900	800	800
Hispanic	17,600	S	300	1,800	3,000	3,000	2,700	2,100	2,000	1,600	1,100
Asian/Pacific Islander	96,900	S	2,000	13,200	21,900	18,700	13,000	10,900	8,300	5,900	3,000
Other	2,400	S	S	200	300	500	300	400	400	200	100
Sciences	515,900	S	7,500	40,600	66,400	79,900	86,900	88,200	76,600	40,700	29,200
Male	372,900	S	3,800	24,800	44,000	53,800	61,000	64,500	61,900	34,200	24,900
Female	143,000	S	3,600	15,800	22,400	26,100	25,900	23,700	14,700	6,500	4,400
White	421,600	S	6,400	29,800	47,500	62,200	73,100	76,300	67,200	34,200	24,800
Black	12,800	S	100	1,000	1,600	2,400	2,200	2,400	1,700	700	800
Hispanic	14,800	S	100	1,400	2,400	2,600	2,400	1,800	1,800	1,300	1,000
Asian/Pacific Islander	64,600	S	1,000	8,100	14,600	12,300	8,900	7,300	5,600	4,300	2,500
Other	2,200	S	S	200	200	500	200	400	400	200	100
Computer and math sciences	40,800	S	1,500	3,700	6,000	6,600	6,200	6,300	6,200	2,900	1,300
Male	34,700	S	1,100	3,100	4,800	5,500	5,500	5,400	5,500	2,700	1,200
Female	6,100	S	400	700	1,200	1,100	700	1,000	600	300	100
White	31,200	S	1,200	2,500	3,800	4,600	5,000	5,300	5,400	2,500	1,000
Black	600	S	S	S	S	100	100	100	100	S	100
Hispanic	1,000	S	S	100	100	200	200	200	100	S	S
Asian/Pacific Islander	7,700	S	300	1,100	2,000	1,500	900	800	600	300	200
Other	300	S	S	S	S	S	S	S	S	S	S
Life and related sciences	178,400	S	2,500	15,700	24,500	29,800	31,900	28,700	24,900	11,700	8,800
Male	123,600	S	1,100	9,200	15,500	19,500	21,700	20,400	19,200	9,800	7,200
Female	54,800	S	1,400	6,500	9,000	10,200	10,200	8,300	5,600	1,900	1,600
White	140,700	S	2,100	11,200	17,100	22,700	26,200	24,400	21,100	8,800	7,100
Black	4,600	S	S	300	500	900	700	1,000	600	300	200
Hispanic	6,200	S	S	500	1,000	1,100	1,000	500	600	700	700
Asian/Pacific Islander	26,300	S	300	3,700	5,700	5,000	3,800	2,600	2,500	1,900	800
Other	600	S	S	100	100	100	100	200	S	100	S
Physical and related sciences	128,500	S	2,300	10,300	18,900	20,000	17,800	19,000	19,300	12,600	8,300
Male	111,600	S	1,500	7,700	15,000	16,400	15,700	17,400	18,200	11,700	8,100
Female	16,800	S	800	2,500	3,900	3,600	2,100	1,600	1,100	900	300
White	102,000	S	1,900	7,600	12,300	15,100	14,800	15,600	16,800	10,600	7,300

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-36.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1999

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Black	1,600	S	S	200	400	300	200	200	200	100	100
Hispanic	2,500	S	S	200	600	400	200	300	500	200	S
Asian/Pacific Islander	22,100	S	300	2,300	5,500	4,200	2,600	2,800	1,900	1,600	800
Other	300	S	S	S	S	S	S	100	100	S	S
Social and related sciences	168,300	S	1,200	10,800	17,000	23,500	31,000	34,200	26,300	13,500	10,800
Male	103,000	S	200	4,700	8,800	12,400	18,200	21,400	18,900	10,100	8,300
Female	65,300	S	1,000	6,100	8,200	11,100	12,800	12,800	7,400	3,400	2,500
White	147,600	S	1,100	8,600	14,300	19,700	27,100	31,100	24,000	12,300	9,400
Black	6,100	S	S	500	700	1,100	1,200	1,000	900	300	400
Hispanic	5,100	S	S	600	600	900	1,000	800	600	300	300
Asian/Pacific Islander	8,600	S	100	1,100	1,300	1,700	1,600	1,100	600	500	600
Other	900	S	S	100	100	100	100	100	200	100	100
Engineers	107,400	S	2,600	13,600	18,600	17,100	13,000	13,200	14,700	9,800	5,000
Male	99,700	S	2,000	11,500	16,700	15,700	12,200	12,700	14,400	9,700	4,900
Female	7,700	S	600	2,100	1,900	1,400	800	500	400	100	S
White	70,300	S	1,400	7,800	10,400	9,900	8,300	8,900	11,500	7,700	4,300
Black	1,800	S	S	300	300	300	200	300	200	100	S
Hispanic	2,800	S	200	400	600	400	300	300	300	400	S
Asian/Pacific Islander	32,300	S	1,000	5,100	7,300	6,400	4,100	3,600	2,800	1,600	600
Other	200	S	S	S	S	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

See figure 3-17 in Volume 1.

Appendix table 3-37.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1993

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
		All degree levels ^a									
S&E degree fields	7,308,300	286,100	931,300	1,115,300	1,169,300	1,217,400	1,003,700	655,000	430,700	272,500	227,000
Male	5,011,800	143,600	562,600	725,300	773,500	833,800	717,200	495,000	349,600	221,600	189,700
Female	2,296,500	142,500	368,700	390,000	395,800	383,600	286,600	160,000	81,100	50,900	37,300
White	6,118,800	241,900	756,000	897,500	958,000	1,020,100	862,700	559,600	371,000	242,400	209,700
Black	374,500	15,500	57,200	63,700	65,300	66,700	45,200	29,500	15,700	9,700	5,900
Hispanic	238,800	8,900	39,200	49,400	44,400	36,600	23,400	15,000	11,400	6,100	4,300
Asian/Pacific Islander	553,900	19,200	76,700	101,400	97,300	90,400	69,000	48,700	31,000	13,700	6,700
Other	22,300	600	2,100	3,300	4,300	3,700	3,400	2,200	1,600	600	400
Sciences	5,403,200	242,300	695,400	775,400	858,000	973,200	781,800	482,300	281,800	176,000	137,100
Male	3,256,600	107,100	363,500	430,100	495,400	600,600	504,300	325,500	203,200	126,000	100,900
Female	2,146,700	135,200	331,900	345,300	362,600	372,600	277,500	156,800	78,600	50,000	36,200
White	4,543,900	205,700	569,900	626,600	708,200	819,600	680,300	413,100	242,800	153,900	123,800
Black	329,900	14,400	47,700	53,000	55,700	62,000	40,900	27,400	14,400	8,900	5,500
Hispanic	173,700	7,700	29,300	32,400	30,500	29,700	17,800	11,500	7,200	4,200	3,400
Asian/Pacific Islander	337,600	13,900	46,700	60,600	60,300	59,000	39,900	28,300	16,400	8,400	4,200
Other	18,100	600	1,800	2,700	3,300	2,900	3,000	2,000	900	600	300
Computer and math sciences	948,100	29,600	151,200	202,000	152,900	138,900	123,800	82,000	40,400	16,600	10,800
Male	636,900	15,200	95,600	131,600	104,400	90,100	87,500	59,400	31,100	13,200	8,900
Female	311,200	14,400	55,600	70,400	48,500	48,700	36,300	22,700	9,200	3,400	2,000
White	766,500	24,000	115,700	153,700	118,600	113,700	108,400	72,800	35,500	14,500	9,600
Black	56,700	2,400	13,200	13,800	8,700	7,000	5,000	3,300	1,700	900	600
Hispanic	26,000	700	5,800	7,100	4,100	3,400	2,400	1,300	600	100	500
Asian/Pacific Islander	95,900	2,500	16,000	26,400	21,000	14,300	7,700	4,500	2,400	1,000	S
Other	3,000	S	500	1,000	500	400	300	S	100	S	S
Life and related sciences	1,103,400	41,300	114,000	152,600	217,300	209,100	150,900	97,200	56,800	33,400	30,700
Male	674,900	19,000	55,100	77,300	127,800	133,000	106,900	64,700	42,500	24,200	24,400
Female	428,500	22,300	58,900	75,300	89,500	76,100	44,000	32,600	14,300	9,300	6,200
White	936,700	34,300	93,000	126,200	187,100	179,900	131,200	82,100	48,100	27,000	27,700
Black	49,900	2,600	5,200	8,800	8,800	8,600	5,500	4,700	2,600	2,300	1,000
Hispanic	36,800	1,500	5,200	6,100	7,500	7,100	2,600	2,500	1,700	1,600	1,000
Asian/Pacific Islander	76,300	2,800	10,200	11,000	13,100	13,000	10,900	7,700	4,200	2,500	1,000
Other	3,700	S	300	500	700	600	700	300	200	S	S
Physical and related sciences	623,100	15,600	56,800	88,500	96,500	97,400	80,700	72,400	50,200	36,700	28,300
Male	499,300	10,100	39,100	65,600	76,000	80,000	65,800	62,100	44,700	32,400	23,600
Female	123,800	5,500	17,700	22,900	20,500	17,400	14,900	10,300	5,600	4,300	4,700
White	525,000	13,600	45,900	73,300	80,000	80,300	67,700	61,700	43,600	33,500	25,400
Black	21,400	600	2,500	3,400	3,300	3,300	3,100	2,200	1,200	600	1,300
Hispanic	16,000	300	2,100	2,900	2,900	2,200	1,700	1,500	1,200	400	800
Asian/Pacific Islander	58,200	1,100	5,900	8,700	9,700	11,400	7,900	6,800	4,100	1,900	800
Other	2,400	S	300	300	600	200	300	200	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-37.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1993

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Social and related sciences	2,728,600	155,700	373,400	332,300	391,400	527,800	426,400	230,600	134,400	89,300	67,300
Male	1,445,500	62,800	173,700	155,600	187,300	297,500	244,100	139,400	85,000	56,300	44,000
Female	1,283,100	92,900	199,700	176,600	204,100	230,300	182,400	91,300	49,400	33,000	23,300
White	2,315,700	133,700	315,300	273,400	322,500	445,700	372,900	196,600	115,500	78,800	61,200
Black	201,900	8,800	26,700	27,100	34,900	43,100	27,300	17,200	8,900	5,200	2,700
Hispanic	94,900	5,200	16,100	16,300	16,000	17,000	11,200	6,100	3,800	2,100	1,100
Asian/Pacific Islander	107,100	7,500	14,700	14,500	16,500	20,300	13,400	9,400	5,700	2,900	2,200
Other	9,100	S	600	1,000	1,600	1,700	1,600	1,300	400	300	200
Engineers	1,905,100	43,800	236,000	339,900	311,300	244,300	221,900	172,700	148,900	96,500	89,900
Male	1,755,300	36,400	199,200	295,200	278,000	233,300	212,900	169,500	146,300	95,600	88,800
Female	149,800	7,400	36,800	44,700	33,200	11,000	9,000	3,200	2,600	900	1,100
White	1,575,000	36,100	186,100	270,900	249,800	200,500	182,400	146,500	128,100	88,500	85,900
Black	44,600	1,100	9,600	10,700	9,600	4,700	4,300	2,100	1,300	800	400
Hispanic	65,100	1,200	10,000	17,000	14,000	6,900	5,600	3,600	4,200	1,900	900
Asian/Pacific Islander	216,300	5,300	30,000	40,700	37,000	31,400	29,100	20,400	14,600	5,300	2,500
Other	4,100	S	400	600	900	800	400	200	700	S	S
Bachelor's											
S&E degree fields	5,394,700	283,200	826,300	879,900	862,900	866,400	661,800	392,000	275,500	185,800	161,000
Male	3,643,600	141,600	492,200	563,700	571,600	598,500	473,800	292,700	223,900	151,300	134,200
Female	1,751,100	141,500	334,100	316,200	291,200	267,900	187,900	99,300	51,600	34,500	26,800
White	4,564,900	239,500	678,800	727,100	719,500	735,300	571,600	334,200	240,300	168,800	149,700
Black	305,500	15,500	53,700	56,300	54,300	52,300	32,500	20,300	10,700	5,400	4,300
Hispanic	185,900	8,800	35,800	39,800	34,400	27,300	16,000	9,800	7,400	3,500	3,100
Asian/Pacific Islander	321,700	18,700	56,100	54,000	51,500	48,800	38,800	26,300	16,100	7,600	3,800
Other	16,800	600	1,900	2,700	3,200	2,700	2,800	1,300	1,100	400	S
Sciences	3,979,500	240,800	632,000	619,500	635,300	699,900	506,800	277,700	171,000	108,900	87,700
Male	2,341,000	106,400	328,300	337,700	366,500	438,100	325,800	180,100	121,400	75,200	61,600
Female	1,638,600	134,400	303,700	281,800	268,800	261,800	180,900	97,600	49,700	33,700	26,200
White	3,359,800	204,500	520,900	510,000	530,800	594,100	439,500	234,900	148,900	97,400	78,900
Black	268,200	14,400	45,100	47,200	46,100	48,600	29,500	18,800	9,600	4,800	4,000
Hispanic	135,100	7,700	27,100	26,600	23,300	22,400	11,800	7,500	4,400	2,000	2,400
Asian/Pacific Islander	202,600	13,600	37,300	33,300	32,500	32,800	23,500	15,300	7,800	4,200	2,300
Other	13,800	600	1,600	2,400	2,500	2,000	2,500	1,200	500	400	S
Computer and math sciences	687,500	29,500	134,300	161,700	107,400	91,100	78,100	46,600	22,300	10,200	6,100
Male	446,800	15,100	83,800	102,100	71,300	60,100	53,600	31,700	15,800	8,100	5,300
Female	240,600	14,400	50,500	59,600	36,100	31,000	24,500	14,900	6,600	2,100	800
White	563,200	23,900	104,000	127,100	86,400	76,700	68,500	41,600	20,500	9,300	5,100
Black	47,600	2,400	12,500	12,200	7,600	5,100	3,500	2,400	800	S	S
Hispanic	21,600	700	5,400	6,500	3,400	2,300	1,800	900	S	S	S
Asian/Pacific Islander	52,800	2,500	11,900	15,000	9,900	6,600	3,900	1,700	800	S	S
Other	2,300	S	500	900	S	400	300	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-37.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1993

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Life and related sciences	797,200	41,200	101,700	118,100	165,500	148,600	94,600	52,400	33,000	20,900	21,100
Male	474,200	19,000	49,100	60,300	97,200	94,900	67,500	31,900	23,700	14,000	16,500
Female	323,000	22,100	52,600	57,800	68,200	53,800	27,200	20,500	9,300	6,900	4,600
White	685,700	34,300	83,500	99,700	145,100	130,500	83,600	43,700	29,300	16,700	19,300
Black	39,800	2,600	4,600	7,900	7,400	6,200	3,600	3,300	1,800	1,600	900
Hispanic	27,200	1,500	5,000	4,800	5,700	5,200	1,300	1,700	500	900	S
Asian/Pacific Islander	41,800	2,600	8,400	5,400	6,500	6,500	5,600	3,600	1,200	1,700	400
Other	2,700	S	300	300	600	200	S	S	S	S	S
Physical and related sciences	388,400	15,400	46,800	58,000	61,200	58,600	44,400	35,400	30,500	21,300	16,800
Male	301,900	9,900	31,600	43,100	48,800	47,100	34,900	29,100	26,400	18,000	12,800
Female	86,500	5,500	15,200	14,900	12,300	11,500	9,500	6,300	4,200	3,200	4,000
White	331,100	13,400	38,200	50,200	52,400	49,600	36,400	29,900	26,400	20,000	14,700
Black	16,600	600	2,300	2,900	2,500	2,300	1,400	1,000	S	1,100	
Hispanic	10,800	300	1,800	1,900	1,800	1,300	900	900	1,000	S	700
Asian/Pacific Islander	28,000	1,100	4,200	2,700	4,000	5,100	4,600	3,100	2,200	800	S
Other	1,800	S	S	S	500	S	S	S	S	S	S
Social and related sciences	2,106,500	154,700	349,200	281,700	301,200	401,600	289,600	143,200	85,200	56,500	43,600
Male	1,118,100	62,300	163,800	132,200	149,100	236,100	169,900	87,300	55,500	35,000	27,000
Female	988,500	92,400	185,400	149,500	152,100	165,500	119,800	55,900	29,700	21,500	16,700
White	1,779,800	132,800	295,200	233,000	246,800	337,300	251,000	119,800	72,700	51,300	39,800
Black	164,200	8,800	25,700	24,200	28,600	35,000	20,000	11,800	6,000	2,500	1,500
Hispanic	75,500	5,200	14,800	13,400	12,400	13,500	7,800	4,000	2,600	1,000	800
Asian/Pacific Islander	80,000	7,400	12,900	10,200	12,200	14,600	9,400	6,800	3,600	1,500	1,400
Other	7,000	S	600	900	1,200	1,200	1,300	900	S	S	S
Engineers	1,415,100	42,400	194,300	260,500	227,500	166,500	155,000	114,300	104,500	76,900	73,300
Male	1,302,600	35,200	163,900	226,100	205,100	160,400	148,000	112,600	102,500	76,100	72,600
Female	112,600	7,200	30,400	34,400	22,400	6,100	7,000	1,700	2,000	800	S
White	1,205,000	35,000	157,900	217,100	188,700	141,200	132,100	99,300	91,500	71,400	70,800
Black	37,300	1,100	8,600	9,100	8,200	3,700	3,100	1,500	1,100	600	S
Hispanic	50,700	1,100	8,700	13,300	11,000	4,900	4,100	2,300	3,000	1,500	700
Asian/Pacific Islander	119,100	5,000	18,800	20,700	19,000	16,000	15,300	11,000	8,300	3,400	1,400
Other	3,000	S	300	300	600	700	300	S	S	S	S
Master's											
S&E degree fields	1,368,900	2,900	97,800	184,800	222,700	253,900	241,400	171,300	101,000	53,700	39,500
Male	936,800	1,900	65,600	125,800	140,200	161,900	166,000	124,000	78,400	41,000	31,900
Female	432,100	1,000	32,200	59,000	82,400	92,000	75,300	47,300	22,500	12,700	7,500
White	1,107,700	2,400	72,200	133,300	174,900	206,100	205,100	146,900	85,300	45,400	36,300
Black	57,200	S	3,300	6,400	9,100	11,800	10,000	7,700	4,200	3,500	1,300
Hispanic	38,300	100	3,100	7,900	7,500	6,600	5,500	3,200	2,500	1,600	400
Asian/Pacific Islander	162,100	500	19,100	36,700	30,400	28,600	20,500	13,200	8,600	3,100	1,300
Other	3,600	S	200	500	900	800	S	400	400	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-37.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1993

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Sciences	965,100	1,500	58,300	115,400	152,900	188,400	188,300	127,700	67,200	39,100	26,400
Male	566,100	700	32,100	65,500	80,300	100,600	114,500	81,600	45,200	26,500	19,200
Female	399,000	800	26,200	49,900	72,600	87,900	73,800	46,100	22,000	12,600	7,200
White	798,900	1,200	45,300	85,800	122,200	154,700	164,600	111,200	57,100	32,600	24,200
Black	51,100	S	2,300	5,000	7,800	11,100	9,200	7,300	4,000	3,300	1,200
Hispanic	25,900	S	2,100	4,400	4,900	4,900	4,200	2,200	1,700	1,200	S
Asian/Pacific Islander	86,500	200	8,500	19,900	17,400	17,000	10,100	6,700	4,100	1,900	600
Other	2,700	S	S	300	700	700	S	300	300	S	S
Computer and math sciences	227,500	100	16,100	36,400	40,300	42,600	39,500	29,200	14,900	4,900	3,700
Male	161,000	100	11,200	26,200	28,600	25,600	28,700	21,900	12,400	3,700	2,600
Female	66,500	S	4,800	10,300	11,700	16,900	10,800	7,300	2,400	1,200	1,100
White	177,100	100	11,200	24,100	28,600	32,800	34,700	25,900	12,200	4,100	3,400
Black	8,700	S	800	1,500	1,100	1,900	1,400	800	900	300	S
Hispanic	3,600	S	400	600	500	900	400	400	S	S	S
Asian/Pacific Islander	37,400	S	3,700	10,100	9,700	7,000	3,000	2,000	1,300	500	S
Other	600	S	S	S	S	S	S	S	S	S	S
Life and related sciences	155,000	S	10,600	20,900	24,700	30,600	28,900	21,400	10,500	4,100	3,000
Male	89,200	S	5,100	8,700	12,700	16,700	19,300	13,800	7,600	2,900	2,400
Female	65,800	S	5,500	12,300	12,100	13,900	9,600	7,600	2,900	1,200	600
White	128,200	S	8,300	16,500	20,600	25,000	24,200	18,700	8,900	3,300	2,700
Black	7,000	S	500	700	900	1,800	1,100	1,000	500	S	S
Hispanic	3,900	S	100	600	800	800	600	S	400	S	S
Asian/Pacific Islander	15,400	S	1,600	3,000	2,400	2,800	2,900	1,400	700	S	S
Other	600	S	S	S	S	200	S	S	S	S	S
Physical and related sciences	115,800	200	8,700	17,300	17,600	20,200	17,600	16,500	6,200	6,600	4,800
Male	91,000	200	6,500	12,100	12,500	16,300	13,900	13,700	5,500	5,900	4,500
Female	24,800	S	2,200	5,200	5,100	3,800	3,700	2,800	700	700	S
White	96,300	200	6,800	13,300	14,000	16,300	15,400	14,100	5,600	5,900	4,600
Black	3,300	S	200	200	600	600	600	600	S	S	S
Hispanic	3,000	S	200	700	700	600	500	S	S	S	S
Asian/Pacific Islander	12,800	S	1,400	3,100	2,200	2,700	1,100	1,600	400	S	S
Other	300	S	S	S	S	S	S	S	S	S	S
Social and related sciences	466,800	1,000	23,000	40,700	70,200	95,100	102,300	60,600	35,600	23,500	14,900
Male	224,900	400	9,300	18,500	26,600	41,900	52,600	32,200	19,600	14,000	9,700
Female	241,900	500	13,600	22,200	43,700	53,200	49,700	28,400	15,900	9,400	5,200
White	397,300	900	19,100	31,900	58,900	80,500	90,300	52,500	30,400	19,400	13,400
Black	32,000	S	800	2,600	5,200	6,900	6,200	4,800	2,400	2,200	1,000
Hispanic	15,400	S	1,300	2,500	2,800	2,600	2,700	1,500	1,000	800	S
Asian/Pacific Islander	20,800	S	1,800	3,700	3,000	4,600	3,000	1,700	1,600	1,000	S
Other	1,300	S	S	S	300	400	S	S	S	S	S
Engineers	403,900	1,400	39,500	69,400	69,800	65,500	53,100	43,600	33,800	14,600	13,100
Male	370,700	1,200	33,500	60,300	59,900	61,300	51,500	42,400	33,300	14,500	12,700
Female	33,200	200	6,000	9,200	9,900	4,100	1,600	1,200	500	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-37.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1993

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
White	308,800	1,100	26,900	47,400	52,700	51,400	40,500	35,700	28,200	12,800	12,100
Black	6,100	S	1,000	1,500	1,300	800	900	400	S	S	S
Hispanic	12,500	S	1,000	3,500	2,600	1,600	1,300	1,000	900	400	S
Asian/Pacific Islander	75,600	300	10,600	16,800	13,000	11,600	10,400	6,500	4,500	1,300	700
Other	900	S	S	200	S	S	S	S	S	S	S
Doctorate											
S&E degree fields	538,800	S	7,200	50,200	83,400	95,400	98,800	91,000	53,600	32,800	26,300
Male	428,400	S	4,800	35,700	61,400	72,500	76,400	78,000	47,100	29,100	23,400
Female	110,400	S	2,400	14,500	22,000	22,900	22,400	13,000	6,600	3,700	2,900
White	441,100	S	5,100	36,900	63,300	77,000	84,400	77,900	44,800	28,200	23,500
Black	11,400	S	300	1,000	1,900	2,500	2,500	1,400	800	600	400
Hispanic	14,400	S	400	1,600	2,600	2,600	1,900	2,000	1,500	1,000	700
Asian/Pacific Islander	70,100	S	1,400	10,700	15,400	12,900	9,600	9,200	6,400	2,900	1,600
Other	1,800	S	100	100	200	200	400	500	200	200	100
Sciences	452,700	S	5,100	40,200	69,500	83,100	85,000	76,200	43,000	27,800	22,900
Male	346,400	S	3,100	26,800	48,400	60,900	63,100	63,500	36,600	24,100	20,000
Female	106,300	S	2,000	13,300	21,100	22,100	21,900	12,700	6,500	3,700	2,900
White	379,900	S	3,800	30,500	54,900	69,100	74,600	66,300	36,300	23,800	20,600
Black	10,300	S	300	800	1,800	2,300	2,100	1,300	800	600	400
Hispanic	12,400	S	100	1,400	2,300	2,300	1,700	1,800	1,200	900	700
Asian/Pacific Islander	48,400	S	900	7,500	10,400	9,100	6,200	6,400	4,600	2,300	1,200
Other	1,600	S	S	S	100	200	400	400	100	200	100
Computer and math sciences	33,200	S	900	3,900	5,200	5,200	6,200	6,200	3,100	1,500	1,000
Male	29,100	S	600	3,300	4,500	4,400	5,300	5,800	2,900	1,400	1,000
Female	4,100	S	200	600	700	800	900	400	200	100	100
White	26,200	S	500	2,400	3,600	4,200	5,300	5,300	2,800	1,100	1,000
Black	400	S	S	S	100	S	100	100	S	S	S
Hispanic	800	S	S	100	200	200	200	100	100	S	S
Asian/Pacific Islander	5,700	S	300	1,300	1,400	800	700	700	300	300	S
Other	100	S	S	S	S	S	S	S	S	S	S
Life and related sciences	151,200	S	1,700	13,500	27,100	29,900	27,400	23,400	13,300	8,400	6,600
Male	111,500	S	900	8,300	17,900	21,400	20,100	18,900	11,100	7,200	5,500
Female	39,700	S	800	5,200	9,200	8,500	7,300	4,500	2,100	1,100	1,000
White	122,900	S	1,300	10,000	21,400	24,400	23,400	19,700	10,000	6,900	5,700
Black	3,100	S	100	300	500	600	800	400	300	200	100
Hispanic	5,700	S	S	700	900	1,100	700	600	800	500	400
Asian/Pacific Islander	19,100	S	200	2,600	4,200	3,700	2,400	2,600	2,200	800	300
Other	400	S	S	S	S	100	100	S	S	S	S
Physical and related sciences	118,900	S	1,300	13,200	17,700	18,700	18,700	20,500	13,500	8,800	6,600
Male	106,400	S	1,000	10,400	14,700	16,600	17,000	19,300	12,800	8,500	6,300
Female	12,500	S	300	2,900	3,000	2,100	1,700	1,200	700	300	400
White	97,500	S	1,000	9,800	13,500	14,300	16,000	17,600	11,700	7,600	6,100

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-37.

Individuals in labor force with S&E highest degrees, by highest degree attained, field of highest degree, sex, race/ethnicity, and age: 1993

Field of degree, sex, and race/ethnicity	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Black	1,500	S	S	200	200	500	200	200	100	100	S
Hispanic	2,300	S	100	300	400	300	300	500	200	100	100
Asian/Pacific Islander	17,400	S	300	2,900	3,500	3,600	2,100	2,100	1,600	800	400
Other	300	S	S	S	S	S	S	100	S	S	S
Social and related sciences	149,400	S	1,200	9,600	19,600	29,300	32,700	26,100	13,100	9,100	8,600
Male	99,400	S	600	4,900	11,300	18,600	20,700	19,500	9,700	7,100	7,100
Female	50,000	S	700	4,700	8,200	10,700	12,000	6,600	3,400	2,100	1,500
White	133,400	S	1,000	8,200	16,400	26,200	30,000	23,700	11,900	8,100	7,800
Black	5,300	S	S	300	1,000	1,200	1,000	700	400	300	200
Hispanic	3,700	S	S	300	800	800	600	600	200	300	100
Asian/Pacific Islander	6,200	S	100	700	1,300	1,100	900	900	500	400	500
Other	800	S	S	S	100	100	200	300	100	100	S
Engineers	86,100	S	2,200	10,000	13,900	12,300	13,800	14,800	10,600	5,000	3,500
Male	82,000	S	1,800	8,800	13,000	11,600	13,300	14,500	10,500	5,000	3,400
Female	4,100	S	400	1,100	900	700	500	300	100	S	S
White	61,200	S	1,300	6,400	8,300	7,900	9,800	11,500	8,500	4,400	3,000
Black	1,200	S	S	100	200	200	400	200	S	S	S
Hispanic	1,900	S	200	200	300	300	200	200	300	100	S
Asian/Pacific Islander	21,600	S	600	3,200	5,000	3,800	3,400	2,800	1,800	600	400
Other	200	S	S	S	S	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993.

Appendix table 3-38.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
		All degree levels ^a						
S&E occupations	4,120,700	3,540,800	3,267,400	273,400	56,000	523,900	364,400	159,400
Male	3,126,200	2,705,000	2,570,200	134,800	40,900	380,300	325,000	55,400
Female	994,400	835,800	697,200	138,600	15,100	143,500	39,500	104,100
White	3,406,400	2,896,600	2,658,900	237,600	44,400	465,500	337,600	127,900
Black	135,100	121,600	113,300	8,400	3,300	10,200	6,000	4,200
Hispanic	135,800	120,900	111,400	9,500	2,200	12,700	6,100	6,600
Asian/Pacific Islander	430,300	390,500	373,400	17,100	6,100	33,800	14,100	19,700
Other	13,000	11,300	10,500	800	100	1,700	700	1,000
Scientists	2,464,500	2,170,500	1,949,400	221,100	30,200	263,800	146,100	117,700
Male	1,626,100	1,464,800	1,373,400	91,400	18,000	143,400	110,000	33,400
Female	838,400	705,800	576,000	129,700	12,200	120,500	36,100	84,300
White	2,025,100	1,774,200	1,580,400	193,800	23,600	227,300	132,000	95,300
Black	94,200	84,000	76,300	7,600	2,400	7,900	4,800	3,100
Hispanic	80,200	71,800	64,700	7,100	900	7,500	2,700	4,800
Asian/Pacific Islander	257,100	233,900	222,100	11,800	3,200	20,000	6,300	13,600
Other	7,900	6,700	5,900	800	100	1,200	300	900
Computer and math scientists	1,277,900	1,167,400	1,092,400	74,900	14,700	95,800	52,700	43,100
Male	913,700	850,600	816,400	34,200	10,800	52,300	38,900	13,300
Female	364,200	316,700	276,000	40,700	3,900	43,500	13,800	29,700
White	1,018,600	922,200	856,900	65,300	11,100	85,400	47,300	38,100
Black	55,600	51,400	48,900	2,500	1,700	2,600	1,500	1,100
Hispanic	39,800	37,600	35,200	2,400	S	2,100	1,400	700
Asian/Pacific Islander	161,000	153,600	148,800	4,700	1,900	5,500	2,400	3,100
Other	2,900	2,700	2,600	S	S	S	S	S
Life and related scientists	406,100	341,900	311,800	30,100	4,400	59,800	28,800	31,000
Male	251,000	217,500	204,000	13,400	2,100	31,500	22,400	9,100
Female	155,100	124,400	107,700	16,700	2,300	28,300	6,400	21,800
White	334,800	285,100	259,400	25,800	3,600	46,100	24,400	21,700
Black	9,200	6,600	5,700	900	S	2,600	1,300	1,200
Hispanic	13,400	10,900	9,600	1,400	100	2,400	800	1,600
Asian/Pacific Islander	46,700	37,700	35,700	1,900	600	8,400	2,300	6,100
Other	2,000	1,600	1,400	200	S	400	S	400
Physical and related scientists	360,600	297,900	272,000	25,900	5,800	57,000	39,300	17,700
Male	272,900	229,400	213,900	15,500	3,400	40,000	33,300	6,700
Female	87,700	68,400	58,100	10,400	2,400	17,000	6,000	10,900
White	306,900	252,500	229,300	23,200	4,200	50,200	37,000	13,200
Black	10,800	8,800	8,400	400	600	1,400	1,100	300
Hispanic	9,200	7,800	7,200	600	500	900	200	600
Asian/Pacific Islander	32,800	27,800	26,100	1,700	500	4,400	1,000	3,500
Other	1,000	900	900	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-38.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Social and related scientists	419,900	363,400	273,200	90,200	5,300	51,300	25,200	26,000
Male	188,500	167,300	139,000	28,300	1,700	19,600	15,400	4,200
Female	231,400	196,200	134,200	62,000	3,600	31,700	9,900	21,800
White	364,700	314,400	234,800	79,600	4,700	45,600	23,300	22,300
Black	18,600	17,200	13,200	3,900	100	1,300	900	400
Hispanic	17,800	15,500	12,700	2,800	200	2,100	300	1,800
Asian/Pacific Islander	16,700	14,800	11,400	3,400	S	1,700	700	1,000
Other	2,100	1,500	1,000	500	S	600	S	500
Engineers	1,656,200	1,370,300	1,318,000	52,300	25,800	260,000	218,300	41,700
Male	1,500,100	1,240,200	1,196,900	43,400	22,900	237,000	215,000	22,000
Female	156,000	130,000	121,200	8,900	2,900	23,100	3,300	19,800
White	1,381,300	1,122,400	1,078,500	43,800	20,800	238,200	205,600	32,600
Black	40,900	37,700	36,900	700	900	2,300	1,200	1,100
Hispanic	55,600	49,100	46,700	2,400	1,300	5,300	3,400	1,900
Asian/Pacific Islander	173,200	156,600	151,300	5,300	2,800	13,800	7,700	6,100
Other	5,100	4,600	4,600	S	S	500	400	S
Bachelor's								
S&E occupations	2,350,500	1,994,400	1,870,600	123,800	32,700	323,300	223,200	100,100
Male	1,831,300	1,564,700	1,496,100	68,700	25,000	241,500	206,800	34,700
Female	519,200	429,700	374,500	55,200	7,800	81,700	16,400	65,300
White	1,996,900	1,680,900	1,571,500	109,400	26,400	289,500	209,000	80,500
Black	82,600	73,900	71,100	2,800	2,500	6,200	3,500	2,800
Hispanic	83,800	74,800	69,800	5,000	1,200	7,700	3,300	4,500
Asian/Pacific Islander	179,300	158,300	152,000	6,300	2,600	18,400	6,900	11,500
Other	7,900	6,600	6,200	S	S	1,400	500	800
Scientists	1,228,500	1,087,100	997,300	89,800	16,200	125,200	54,000	71,200
Male	815,200	744,300	705,000	39,400	10,300	60,600	40,400	20,200
Female	413,300	342,800	292,300	50,500	5,900	64,600	13,600	51,000
White	1,027,000	908,100	828,300	79,800	12,800	106,000	48,500	57,600
Black	53,100	46,600	44,200	2,400	1,900	4,500	2,600	1,900
Hispanic	45,500	41,500	38,200	3,300	S	3,900	S	3,100
Asian/Pacific Islander	98,900	87,700	83,800	3,900	1,300	9,900	2,000	7,900
Other	4,000	3,100	2,700	S	S	900	S	800
Computer and math scientists	804,900	740,500	700,600	39,900	9,500	54,900	25,200	29,700
Male	572,600	538,900	522,100	16,800	7,100	26,700	19,000	7,700
Female	232,300	201,600	178,500	23,100	2,500	28,200	6,200	22,000
White	669,100	612,200	575,600	36,600	7,100	49,800	22,600	27,200
Black	37,700	34,200	33,700	500	1,600	1,900	1,100	800
Hispanic	28,000	27,000	25,600	1,400	S	900	S	400
Asian/Pacific Islander	68,400	65,400	64,000	1,400	S	2,200	900	1,300
Other	1,800	1,700	1,700	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-38.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Life and related scientists	166,500	135,500	120,400	15,100	1,700	29,200	8,400	20,900
Male	90,400	76,900	69,800	7,100	S	12,500	5,800	6,800
Female	76,000	58,600	50,500	8,000	700	16,700	2,600	14,100
White	139,500	117,100	104,100	13,000	1,400	20,900	6,700	14,200
Black	3,400	2,000	1,700	300	S	1,400	S	800
Hispanic	7,100	5,700	4,900	800	S	1,400	S	1,100
Asian/Pacific Islander	15,400	9,800	8,900	900	S	5,200	S	4,400
Other	1,200	900	700	S	S	S	S	S
Physical and related scientists	172,700	139,600	127,400	12,200	2,900	30,200	18,700	11,500
Male	121,200	101,700	94,600	7,000	1,400	18,100	14,500	3,700
Female	51,500	38,000	32,700	5,200	1,500	12,100	4,300	7,800
White	149,200	120,600	109,200	11,400	2,400	26,200	17,400	8,800
Black	7,400	5,800	5,700	100	S	1,300	1,000	300
Hispanic	5,100	4,600	4,200	300	S	500	S	500
Asian/Pacific Islander	10,700	8,400	8,000	S	S	2,100	S	1,800
Other	300	S	S	S	S	S	S	S
Social and related scientists	84,400	71,400	48,900	22,500	2,000	11,000	1,700	9,200
Male	30,900	26,800	18,400	8,500	S	3,300	S	2,100
Female	53,500	44,600	30,600	14,100	1,200	7,700	S	7,100
White	69,300	58,300	39,500	18,800	1,900	9,100	1,700	7,400
Black	4,600	4,600	3,200	1,400	S	S	S	S
Hispanic	5,400	4,200	3,500	800	S	1,100	S	1,100
Asian/Pacific Islander	4,400	4,000	2,800	1,300	S	S	S	S
Other	S	S	S	S	S	S	S	S
Engineers	1,122,000	907,400	873,300	34,000	16,600	198,000	169,200	28,800
Male	1,016,100	820,400	791,100	29,300	14,700	181,000	166,400	14,500
Female	105,900	86,900	82,200	4,700	1,900	17,100	2,800	14,300
White	969,900	772,800	743,200	29,600	13,600	183,500	160,500	23,000
Black	29,600	27,300	26,900	400	600	1,700	S	800
Hispanic	38,200	33,300	31,600	1,700	1,100	3,800	2,500	1,400
Asian/Pacific Islander	80,400	70,600	68,200	2,400	1,300	8,600	4,900	3,600
Other	3,900	3,400	3,400	S	S	400	400	S
Master's								
S&E occupations	1,188,100	1,032,100	921,500	110,600	17,300	138,800	90,800	48,000
Male	853,800	751,200	705,200	46,000	11,900	90,800	74,100	16,700
Female	334,300	280,900	216,400	64,500	5,400	48,000	16,700	31,300
White	941,500	807,200	713,300	93,900	13,300	121,000	83,000	38,000
Black	39,600	35,900	31,400	4,600	700	3,000	2,000	1,000
Hispanic	37,300	32,800	29,600	3,100	800	3,700	1,700	2,000
Asian/Pacific Islander	166,600	153,000	144,400	8,600	2,500	11,000	4,100	7,000
Other	3,300	3,100	2,800	300	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-38.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Scientists	752,300	655,500	559,900	95,700	9,700	87,000	51,000	36,000
Male	461,000	411,400	376,500	34,900	5,000	44,600	34,800	9,800
Female	291,300	244,200	183,400	60,800	4,700	42,400	16,300	26,200
White	598,400	516,000	433,500	82,500	7,200	75,200	46,200	29,100
Black	30,100	27,300	23,000	4,300	400	2,400	1,700	700
Hispanic	22,300	19,100	16,400	2,700	600	2,500	1,000	1,500
Asian/Pacific Islander	99,300	91,100	85,100	5,900	1,500	6,700	2,100	4,600
Other	2,200	2,100	1,800	300	S	S	S	S
Computer and math scientists	393,700	354,100	323,200	30,900	4,700	34,900	22,900	12,000
Male	277,700	253,700	238,800	14,800	3,300	20,700	16,100	4,600
Female	116,000	100,500	84,400	16,100	1,400	14,200	6,800	7,400
White	290,400	256,200	230,600	25,600	3,600	30,600	20,800	9,800
Black	16,000	15,200	13,800	1,500	S	600	400	200
Hispanic	9,800	8,800	7,900	900	S	900	S	300
Asian/Pacific Islander	76,700	72,900	70,000	2,900	1,000	2,700	1,100	1,600
Other	900	900	800	S	S	S	S	S
Life and related scientists	86,700	72,500	64,500	8,100	1,300	12,900	6,600	6,200
Male	50,700	44,000	41,100	3,000	400	6,300	4,800	1,400
Female	36,000	28,500	23,400	5,100	800	6,600	1,800	4,800
White	72,000	61,200	54,200	7,000	1,000	9,800	5,200	4,600
Black	3,100	2,200	1,900	S	S	900	S	S
Hispanic	2,400	1,800	1,600	200	S	500	S	400
Asian/Pacific Islander	8,900	7,100	6,500	500	S	1,600	S	1,100
Other	300	300	S	S	S	S	S	S
Physical and related scientists	88,500	73,000	63,800	9,100	1,400	14,100	9,600	4,500
Male	65,200	53,700	48,800	4,900	600	10,900	8,500	2,400
Female	23,200	19,300	15,100	4,200	800	3,200	1,100	2,100
White	75,100	62,300	54,500	7,800	600	12,200	9,200	3,000
Black	2,100	1,800	1,600	200	S	S	S	S
Hispanic	2,100	1,400	1,300	S	S	S	S	S
Asian/Pacific Islander	8,800	7,100	6,100	900	S	1,500	S	1,400
Other	400	400	300	S	S	S	S	S
Social and related scientists	183,400	155,900	108,400	47,500	2,300	25,200	11,900	13,300
Male	67,400	60,000	47,800	12,200	600	6,700	5,300	1,500
Female	116,100	95,900	60,500	35,300	1,700	18,400	6,600	11,800
White	160,800	136,200	94,100	42,100	2,000	22,700	10,900	11,700
Black	8,900	8,100	5,800	2,200	S	800	S	S
Hispanic	8,000	7,100	5,600	1,500	S	800	S	700
Asian/Pacific Islander	5,000	4,000	2,400	1,600	S	800	S	500
Other	600	500	400	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-38.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Engineers	435,900	376,500	361,700	14,900	7,600	51,800	39,800	12,000
Male	392,800	339,800	328,700	11,100	6,900	46,200	39,300	6,800
Female	43,000	36,700	33,000	3,800	700	5,600	S	5,200
White	343,100	291,300	279,800	11,400	6,100	45,700	36,800	8,900
Black	9,500	8,600	8,300	300	300	600	S	300
Hispanic	15,000	13,600	13,200	400	S	1,200	700	500
Asian/Pacific Islander	67,300	62,000	59,300	2,700	1,000	4,300	2,000	2,400
Other	1,000	1,000	1,000	S	S	S	S	S
Doctorate								
S&E occupations	547,800	484,100	447,100	37,000	5,800	57,900	48,000	9,900
Male	418,200	368,900	349,600	19,200	4,000	45,300	42,000	3,400
Female	129,600	115,200	97,500	17,700	1,700	12,600	6,100	6,600
White	438,000	381,600	349,100	32,500	4,500	51,900	43,500	8,300
Black	11,900	11,000	10,000	1,000	100	800	500	300
Hispanic	14,200	12,900	11,700	1,200	100	1,100	900	200
Asian/Pacific Islander	81,900	77,000	74,800	2,200	1,000	3,900	2,900	1,000
Other	1,800	1,600	1,500	100	S	200	200	S
Scientists	452,200	399,900	366,100	33,800	4,100	48,200	39,000	9,200
Male	329,500	290,900	274,400	16,400	2,700	36,000	33,100	2,900
Female	122,700	109,100	91,700	17,400	1,400	12,200	5,900	6,300
White	372,000	325,100	295,400	29,700	3,400	43,500	35,700	7,800
Black	10,200	9,300	8,300	1,000	100	700	500	200
Hispanic	11,900	11,000	9,900	1,100	100	800	700	200
Asian/Pacific Islander	56,500	53,100	51,100	1,900	400	3,000	2,000	1,000
Other	1,700	1,500	1,300	100	S	200	200	S
Computer and math scientists	72,800	67,100	63,000	4,100	500	5,300	4,400	900
Male	59,400	54,900	52,300	2,600	400	4,200	3,500	600
Female	13,400	12,200	10,700	1,500	100	1,100	800	300
White	54,200	49,500	46,300	3,100	400	4,300	3,600	700
Black	1,500	1,400	1,000	400	S	100	S	S
Hispanic	1,900	1,600	1,600	S	S	300	300	S
Asian/Pacific Islander	15,100	14,500	14,000	400	S	600	400	200
Other	100	S	S	S	S	S	S	S
Life and related scientists	137,500	121,100	115,300	5,800	1,200	15,200	12,000	3,200
Male	98,100	86,200	83,400	2,800	600	11,200	10,300	900
Female	39,400	34,900	31,900	3,000	600	4,000	1,700	2,300
White	110,300	95,600	91,000	4,600	1,000	13,800	11,100	2,700
Black	2,200	2,100	1,900	200	S	100	S	S
Hispanic	3,800	3,500	3,100	400	100	300	200	100
Asian/Pacific Islander	20,700	19,500	18,900	500	200	1,100	700	400
Other	500	400	400	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-38.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1999

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Physical and related scientists	99,000	84,900	80,500	4,400	1,500	12,700	11,000	1,700
Male	86,000	73,700	70,200	3,500	1,300	11,000	10,300	700
Female	13,000	11,200	10,300	900	100	1,700	700	1,000
White	82,200	69,200	65,400	3,800	1,200	11,800	10,300	1,400
Black	1,300	1,200	1,200	100	S	S	S	S
Hispanic	1,900	1,800	1,700	100	S	100	100	S
Asian/Pacific Islander	13,300	12,300	11,900	400	200	800	500	300
Other	300	300	300	S	S	S	S	S
Social and related scientists	142,800	126,900	107,300	19,600	900	15,000	11,600	3,300
Male	85,900	76,100	68,500	7,600	300	9,500	8,900	700
Female	56,800	50,800	38,800	12,000	600	5,400	2,700	2,700
White	125,300	110,800	92,700	18,100	800	13,700	10,700	3,000
Black	5,100	4,500	4,200	300	100	600	400	100
Hispanic	4,300	4,100	3,500	600	S	100	100	100
Asian/Pacific Islander	7,300	6,800	6,200	500	S	500	400	100
Other	700	700	600	100	S	S	S	S
Engineers	95,600	84,200	81,000	3,200	1,700	9,700	9,000	700
Male	88,700	78,000	75,200	2,800	1,300	9,300	8,900	400
Female	6,900	6,200	5,800	400	400	400	S	300
White	66,000	56,500	53,700	2,800	1,100	8,400	7,900	500
Black	1,800	1,700	1,600	S	S	S	S	S
Hispanic	2,200	1,900	1,900	100	S	300	300	S
Asian/Pacific Islander	25,400	23,900	23,700	200	600	900	900	100
Other	200	100	100	S	S	S	S	S

S = suppressed for reasons of confidentiality, and/or data reliability

^aIncludes professional degrees.

NOTE: For unemployed individuals, occupation is for previous reported job.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

See text table 3-7 and figure 3-14 in Volume 1.

Appendix table 3-39.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
		All degree levels ^a						
S&E occupations	3,786,100	3,303,400	3,019,400	284,000	87,900	394,800	266,400	128,400
Male	2,910,500	2,547,900	2,396,300	151,600	71,400	291,300	244,500	46,800
Female	875,600	755,500	623,100	132,400	16,500	103,600	21,900	81,700
White	3,204,200	2,777,500	2,537,500	240,000	67,900	358,800	252,900	105,900
Black	131,500	119,400	110,900	8,500	3,400	8,600	4,400	4,200
Hispanic	107,300	97,200	90,700	6,500	3,500	6,600	2,800	3,800
Asian/Pacific Islander	332,000	299,300	271,100	28,200	12,500	20,300	6,100	14,200
Other	11,000	10,000	9,200	800	500	500	200	300
Scientists	2,140,900	1,912,300	1,691,400	220,900	38,600	190,000	93,800	96,200
Male	1,405,500	1,276,400	1,177,400	99,000	26,600	102,600	74,300	28,200
Female	735,400	635,900	514,000	121,900	12,100	87,500	19,500	68,000
White	1,809,300	1,612,100	1,424,500	187,600	29,300	167,900	87,700	80,200
Black	87,400	79,800	72,400	7,400	2,000	5,700	2,900	2,800
Hispanic	60,200	53,800	48,700	5,100	2,100	4,300	1,100	3,200
Asian/Pacific Islander	177,300	160,500	140,400	20,200	5,000	11,800	2,100	9,700
Other	6,700	6,100	5,400	600	300	300	S	200
Computer/math scientists	1,065,900	991,500	917,500	74,000	19,400	55,000	20,500	34,500
Male	724,400	686,100	652,500	33,600	14,800	23,400	15,900	7,500
Female	341,500	305,400	265,000	40,400	4,600	31,500	4,500	27,000
White	890,700	827,700	765,000	62,700	14,500	48,500	18,600	29,900
Black	47,200	44,500	42,000	2,400	1,200	1,500	900	700
Hispanic	28,600	26,300	24,900	1,400	900	1,300	300	1,000
Asian/Pacific Islander	96,800	90,600	83,300	7,300	2,700	3,600	700	2,900
Other	2,500	2,400	2,200	200	S	S	S	S
Life/related scientists	379,000	322,300	286,600	35,700	5,700	51,000	23,100	27,900
Male	244,600	212,600	193,700	18,900	2,900	29,100	19,000	10,100
Female	134,400	109,700	92,900	16,800	2,800	21,900	4,100	17,800
White	317,400	269,300	239,700	29,500	4,200	43,900	21,400	22,400
Black	12,600	10,400	9,300	1,100	S	2,200	900	1,300
Hispanic	11,300	10,100	9,300	800	300	900	200	700
Asian/Pacific Islander	36,400	31,300	27,100	4,200	1,100	3,900	500	3,400
Other	1,300	1,100	1,100	S	S	100	S	S
Physical/related scientists	339,500	280,900	247,900	33,100	8,200	50,400	33,400	16,900
Male	261,600	221,100	200,400	20,700	5,800	34,700	28,200	6,500
Female	77,900	59,900	47,500	12,400	2,400	15,600	5,300	10,400
White	289,800	237,600	211,000	26,600	6,700	45,600	32,000	13,500
Black	9,100	8,000	7,400	700	200	800	600	300
Hispanic	8,600	7,100	6,200	900	500	1,000	200	800
Asian/Pacific Islander	30,800	27,200	22,500	4,700	700	2,900	600	2,200
Other	1,100	1,000	800	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-39.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Social/related scientists	356,600	317,600	239,500	78,100	5,300	33,700	16,900	16,900
Male	174,900	156,600	130,800	25,800	3,000	15,300	11,200	4,100
Female	181,600	160,900	108,700	52,300	2,300	18,400	5,700	12,700
White	311,400	277,500	208,800	68,700	3,900	30,000	15,700	14,300
Black	18,600	16,800	13,700	3,200	600	1,200	600	600
Hispanic	11,700	10,300	8,300	2,000	300	1,100	400	700
Asian/Pacific Islander	13,300	11,400	7,400	4,000	400	1,500	200	1,200
Other	1,700	1,600	1,300	200	S	S	S	S
Engineers	1,645,100	1,391,100	1,328,000	63,100	49,300	204,800	172,600	32,200
Male	1,505,000	1,271,500	1,218,900	52,600	44,800	188,700	170,200	18,500
Female	140,200	119,600	109,100	10,500	4,500	16,100	2,400	13,700
White	1,394,900	1,165,400	1,113,000	52,400	38,600	190,900	165,100	25,800
Black	44,100	39,700	38,500	1,100	1,500	3,000	1,600	1,400
Hispanic	47,100	43,400	42,000	1,400	1,400	2,300	1,700	600
Asian/Pacific Islander	154,700	138,800	130,700	8,000	7,500	8,400	4,000	4,400
Other	4,300	3,900	3,800	S	200	S	S	S
Bachelor's								
S&E occupations	2,293,600	1,980,300	1,837,600	142,700	56,100	257,200	177,500	79,700
Male	1,794,800	1,553,200	1,475,300	77,900	46,400	195,200	165,500	29,700
Female	498,800	427,200	362,300	64,800	9,700	62,000	12,100	49,900
White	1,979,800	1,700,100	1,576,600	123,500	44,400	235,300	169,200	66,100
Black	92,800	83,400	78,600	4,800	2,500	7,000	3,400	3,600
Hispanic	69,100	62,600	58,800	3,800	2,300	4,200	1,500	2,700
Asian/Pacific Islander	144,500	127,600	117,600	10,000	6,500	10,400	3,300	7,100
Other	7,300	6,600	6,000	600	500	300	S	S
Scientists	1,122,700	1,007,000	904,700	102,300	18,400	97,300	41,400	55,900
Male	724,900	664,900	620,700	44,200	12,000	47,900	31,400	16,500
Female	397,800	342,100	284,000	58,100	6,300	49,400	10,000	39,300
White	957,900	859,100	770,900	88,200	13,800	84,900	38,500	46,400
Black	57,500	52,000	47,900	4,000	1,400	4,200	1,900	2,300
Hispanic	35,100	31,100	28,400	2,800	1,200	2,800	500	2,300
Asian/Pacific Islander	68,000	61,000	54,200	6,800	1,700	5,300	500	4,800
Other	4,200	3,800	3,300	500	S	S	S	S
Computer/math scientists	720,300	676,200	630,900	45,300	10,300	33,800	10,400	23,400
Male	477,600	457,700	440,900	16,800	7,300	12,600	7,600	5,000
Female	242,700	218,500	190,000	28,500	3,000	21,100	2,700	18,400
White	612,500	574,800	535,600	39,300	7,700	30,000	9,300	20,700
Black	36,500	34,500	32,700	1,800	900	1,200	600	600
Hispanic	21,200	19,800	18,700	1,100	400	1,000	S	800
Asian/Pacific Islander	48,100	45,300	42,300	3,000	1,200	1,600	S	1,300
Other	2,000	1,900	1,700	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-39.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Life/related scientists	159,900	131,600	113,800	17,800	2,600	25,700	8,700	17,000
Male	97,400	82,200	72,700	9,500	1,400	13,900	6,900	7,000
Female	62,400	49,500	41,100	8,400	1,100	11,800	1,800	10,000
White	137,500	114,200	98,600	15,600	2,100	21,200	8,000	13,300
Black	7,500	5,800	5,100	700	S	1,800	600	1,100
Hispanic	5,800	4,900	4,400	500	S	700	S	600
Asian/Pacific Islander	8,300	6,100	5,100	1,000	S	2,000	S	2,000
Other	700	700	700	S	S	S	S	S
Physical/related scientists	163,200	130,700	114,200	16,400	3,300	29,200	20,000	9,300
Male	118,000	96,900	87,300	9,600	2,000	19,100	15,800	3,300
Female	45,200	33,700	26,900	6,800	1,300	10,100	4,200	5,900
White	142,600	113,500	99,600	13,900	2,500	26,500	19,100	7,400
Black	6,500	5,700	5,300	400	S	700	500	100
Hispanic	4,500	3,500	3,000	400	400	600	S	500
Asian/Pacific Islander	8,900	7,300	5,700	1,600	S	1,400	S	1,100
Other	800	700	500	S	S	S	S	S
Social/related scientists	79,300	68,500	45,800	22,700	2,200	8,600	2,400	6,200
Male	31,900	28,200	19,800	8,400	1,400	2,300	1,100	1,200
Female	47,400	40,300	26,000	14,400	800	6,300	1,300	5,000
White	65,300	56,600	37,200	19,400	1,500	7,200	2,100	5,100
Black	7,000	6,000	4,900	1,100	S	600	S	S
Hispanic	3,600	3,000	2,200	700	S	500	S	S
Asian/Pacific Islander	2,700	2,300	1,100	1,200	S	S	S	S
Other	700	600	400	S	S	S	S	S
Engineers	1,170,900	973,300	932,900	40,400	37,700	159,900	136,100	23,800
Male	1,069,900	888,200	854,600	33,600	34,400	147,300	134,100	13,200
Female	101,000	85,100	78,300	6,800	3,300	12,600	2,000	10,600
White	1,021,900	841,000	805,700	35,300	30,600	150,400	130,700	19,700
Black	35,300	31,400	30,700	700	1,100	2,700	1,400	1,300
Hispanic	34,000	31,500	30,500	1,100	1,100	1,400	1,000	400
Asian/Pacific Islander	76,500	66,600	63,400	3,300	4,800	5,100	2,800	2,300
Other	3,200	2,700	2,700	S	S	S	S	S
Master's								
S&E occupations	1,013,600	891,300	781,100	110,200	25,200	97,200	57,200	40,000
Male	741,300	657,300	600,100	57,200	19,900	64,100	51,200	13,000
Female	272,300	234,000	181,100	53,000	5,300	33,000	6,100	27,000
White	831,000	725,900	637,000	88,900	18,200	86,900	54,100	32,800
Black	28,100	26,000	22,700	3,300	900	1,200	800	400
Hispanic	26,900	24,200	22,000	2,200	900	1,800	800	1,000
Asian/Pacific Islander	125,600	113,300	97,700	15,600	5,200	7,100	1,500	5,600
Other	2,000	1,900	1,700	200	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-39.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Scientists	615,600	541,400	450,500	90,900	15,000	59,200	26,500	32,700
Male	378,200	338,200	296,700	41,500	10,700	29,300	20,700	8,600
Female	237,400	203,300	153,800	49,500	4,200	29,900	5,800	24,100
White	513,000	449,400	374,500	74,800	11,100	52,500	24,800	27,700
Black	20,400	18,800	15,800	3,100	500	1,000	700	300
Hispanic	15,300	13,500	11,700	1,900	700	1,100	S	800
Asian/Pacific Islander	65,900	58,900	47,800	11,100	2,700	4,400	700	3,600
Other	1,000	800	700	S	S	S	S	S
Computer/math scientists	290,100	263,600	237,900	25,700	8,300	18,200	7,700	10,500
Male	201,200	185,400	170,600	14,800	6,900	8,900	6,500	2,300
Female	88,900	78,200	67,300	10,900	1,400	9,300	1,200	8,100
White	233,900	212,100	191,300	20,700	6,200	15,700	7,100	8,600
Black	8,900	8,300	7,700	600	300	300	S	S
Hispanic	6,000	5,300	5,000	300	S	S	S	S
Asian/Pacific Islander	40,900	37,600	33,600	4,000	1,300	1,900	S	1,500
Other	400	300	300	S	S	S	S	S
Life/related scientists	85,100	70,400	59,200	11,200	1,800	12,900	5,300	7,600
Male	47,000	40,500	34,800	5,700	700	5,800	4,000	1,800
Female	38,100	29,900	24,300	5,500	1,100	7,100	1,200	5,800
White	70,000	57,400	49,100	8,300	1,100	11,600	4,900	6,700
Black	3,000	2,700	2,400	400	S	S	S	S
Hispanic	2,000	1,900	1,600	300	S	S	S	S
Asian/Pacific Islander	9,900	8,300	6,100	2,200	600	900	S	800
Other	S	S	S	S	S	S	S	S
Physical/related scientists	87,400	72,600	60,100	12,400	2,900	11,900	6,000	6,000
Male	65,700	55,600	47,400	8,200	2,300	7,900	5,700	2,200
Female	21,600	17,000	12,800	4,200	600	4,100	300	3,800
White	74,000	61,100	51,700	9,300	2,400	10,600	5,700	4,900
Black	1,400	1,200	900	300	S	100	S	100
Hispanic	2,200	1,900	1,600	300	S	300	S	S
Asian/Pacific Islander	9,500	8,200	5,700	2,500	300	900	S	700
Other	200	S	S	S	S	S	S	S
Social/related scientists	153,100	134,900	93,300	41,600	2,000	16,200	7,600	8,600
Male	64,300	56,600	43,800	12,800	900	6,700	4,400	2,300
Female	88,800	78,200	49,400	28,800	1,100	9,500	3,200	6,300
White	135,000	118,800	82,400	36,400	1,400	14,700	7,200	7,500
Black	7,200	6,600	4,800	1,800	S	400	S	S
Hispanic	5,000	4,400	3,500	900	S	500	S	S
Asian/Pacific Islander	5,600	4,700	2,200	2,400	400	600	S	600
Other	300	300	300	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-39.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Engineers	398,000	349,900	330,600	19,200	10,200	38,000	30,700	7,300
Male	363,100	319,100	303,400	15,700	9,200	34,800	30,500	4,400
Female	34,900	30,800	27,200	3,500	1,000	3,100	S	2,900
White	318,000	276,600	262,500	14,100	7,100	34,300	29,300	5,100
Black	7,700	7,200	6,900	300	400	200	S	S
Hispanic	11,600	10,700	10,400	300	S	700	500	200
Asian/Pacific Islander	59,700	54,400	49,900	4,500	2,500	2,800	800	2,000
Other	1,000	1,000	1,000	S	S	S	S	S
Doctorate								
S&E occupations	439,400	395,600	368,500	27,100	6,500	37,300	29,700	7,700
Male	346,500	311,500	296,900	14,600	4,900	30,100	26,500	3,600
Female	92,900	84,100	71,600	12,500	1,600	7,300	3,100	4,100
White	360,300	321,300	297,300	24,000	5,200	33,800	27,600	6,200
Black	9,400	9,000	8,500	400	100	400	100	200
Hispanic	10,000	9,100	8,500	500	300	700	600	100
Asian/Pacific Islander	58,200	54,800	52,800	2,000	900	2,500	1,300	1,200
Other	1,500	1,400	1,400	S	100	S	S	S
Scientists	367,100	330,500	306,700	23,800	5,200	31,400	24,400	6,900
Male	278,100	250,000	238,400	11,600	3,700	24,400	21,400	3,000
Female	89,000	80,600	68,300	12,300	1,500	7,000	3,000	4,000
White	308,800	275,900	254,700	21,200	4,300	28,600	23,000	5,600
Black	8,400	8,000	7,700	300	100	300	100	200
Hispanic	8,600	8,000	7,500	500	200	500	400	100
Asian/Pacific Islander	39,900	37,400	35,600	1,800	600	1,900	900	1,100
Other	1,400	1,300	1,300	S	S	S	S	S
Computer/math scientists	52,400	48,700	45,800	2,900	700	2,900	2,300	700
Male	42,800	40,400	38,500	1,900	600	1,800	1,600	200
Female	9,500	8,300	7,300	1,000	100	1,100	700	500
White	41,800	38,500	35,900	2,500	600	2,700	2,000	600
Black	1,300	1,200	1,200	S	S	S	S	S
Hispanic	1,400	1,300	1,200	100	S	200	S	S
Asian/Pacific Islander	7,700	7,600	7,300	300	100	100	100	S
Other	200	200	100	S	S	S	S	S
Life/related scientists	111,400	98,100	93,600	4,500	1,400	11,900	9,000	2,900
Male	83,500	73,300	70,700	2,600	900	9,300	8,100	1,300
Female	27,900	24,800	23,000	1,800	500	2,600	1,000	1,600
White	91,600	79,900	76,100	3,800	1,100	10,600	8,500	2,100
Black	1,700	1,500	1,500	100	S	200	100	100
Hispanic	2,500	2,400	2,400	S	100	100	100	S
Asian/Pacific Islander	15,200	13,900	13,400	500	300	1,000	400	600
Other	300	300	300	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-39.

Individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment status: 1993

Occupation, sex, and race/ethnicity	S&Es, total	Employed			Unemployed and seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Physical/related scientists	87,800	77,000	72,900	4,100	2,000	8,800	7,100	1,700
Male	77,500	68,300	65,500	2,800	1,500	7,800	6,700	1,000
Female	10,200	8,700	7,400	1,400	500	1,000	400	600
White	72,200	62,400	59,000	3,400	1,700	8,100	6,800	1,200
Black	1,200	1,100	1,100	S	S	S	S	S
Hispanic	1,900	1,700	1,600	100	S	100	S	S
Asian/Pacific Islander	12,300	11,600	11,000	700	200	600	200	400
Other	200	200	200	S	S	S	S	S
Social/related scientists	115,600	106,700	94,400	12,400	1,100	7,800	6,000	1,800
Male	74,200	68,000	63,800	4,200	700	5,500	5,000	500
Female	41,400	38,700	30,600	8,100	400	2,300	1,000	1,300
White	103,300	95,100	83,600	11,500	900	7,300	5,700	1,600
Black	4,200	4,100	3,800	300	S	100	S	S
Hispanic	2,800	2,600	2,400	300	S	100	100	S
Asian/Pacific Islander	4,600	4,300	3,900	300	100	300	200	100
Other	700	700	700	S	S	S	S	S
Engineers	72,300	65,000	61,800	3,200	1,300	6,000	5,200	700
Male	68,400	61,500	58,500	3,000	1,200	5,600	5,100	600
Female	3,900	3,500	3,300	200	100	300	100	200
White	51,500	45,400	42,600	2,800	900	5,200	4,600	600
Black	1,000	1,000	900	100	S	S	S	S
Hispanic	1,400	1,100	1,000	100	100	S	S	S
Asian/Pacific Islander	18,300	17,500	17,200	300	300	500	400	100
Other	100	100	100	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability; S&E = science and engineering; SESTAT = Scientists and Engineers Statistical Data System

^aIncludes professional degrees.

NOTE: For unemployed individuals, occupation is for their previous reported job.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993.

See text table 3-7 and figure 3-14 in Volume 1.

Appendix table 3-40.

Individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1999

Occupation, sex, and race/ethnicity	Employed S&Es, total	Business/industry			Educational institution			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/ university	Other	Total	Federal	State/ local
S&E occupations	3,540,800	2,482,400	2,263,300	105,200	114,000	608,500	496,400	112,100	449,900	241,100	208,800
Male	2,705,000	1,966,400	1,836,000	67,900	62,500	385,700	328,200	57,600	352,900	194,600	158,400
Female	835,800	516,000	427,300	37,300	51,500	222,800	168,200	54,600	97,000	46,500	50,400
White	2,896,600	2,036,200	1,842,100	98,500	95,600	502,500	404,600	97,900	357,900	196,000	161,900
Black	121,600	74,700	70,000	500	4,100	22,600	17,200	5,400	24,400	13,400	11,000
Hispanic	120,900	79,800	72,200	2,000	5,600	23,100	18,100	5,000	18,000	7,300	10,700
Asian/Pacific Islander	390,500	284,900	272,800	4,000	8,100	58,200	54,600	3,600	47,400	23,400	24,000
Other	11,300	6,900	6,100	200	600	2,100	1,800	300	2,200	1,000	1,200
Scientists	2,170,500	1,373,600	1,197,400	80,200	96,000	541,800	434,200	107,600	255,100	137,300	117,800
Male	1,464,800	958,900	868,400	44,000	46,500	327,000	273,400	53,600	178,900	102,400	76,600
Female	705,800	414,700	329,000	36,200	49,500	214,900	160,900	54,000	76,200	34,900	41,300
White	1,774,200	1,112,100	955,700	76,100	80,400	452,600	358,300	94,300	209,500	114,300	95,200
Black	84,000	47,900	43,500	300	4,100	20,300	15,000	5,300	15,800	8,900	6,900
Hispanic	71,800	42,600	36,700	1,200	4,700	20,400	15,700	4,700	8,900	3,300	5,600
Asian/Pacific Islander	233,900	167,500	158,600	2,400	6,500	46,600	43,400	3,100	19,800	10,300	9,400
Other	6,700	3,500	2,900	200	400	2,000	1,700	300	1,200	500	700
Computer/math scientists	1,167,400	943,800	886,800	21,500	35,600	132,200	95,000	37,300	91,300	52,600	38,600
Male	850,600	700,700	664,400	16,800	19,400	84,900	62,100	22,800	65,100	40,000	25,100
Female	316,700	243,100	222,300	4,700	16,100	47,400	32,900	14,400	26,200	12,700	13,600
White	922,200	741,900	690,900	19,900	31,100	109,800	78,900	30,900	70,400	42,400	28,000
Black	51,400	37,800	36,600	S	1,200	6,000	3,200	2,800	7,600	4,600	3,000
Hispanic	37,600	29,400	28,300	300	800	4,400	2,700	1,700	3,800	1,100	2,700
Asian/Pacific Islander	153,600	132,500	128,800	1,300	2,400	11,800	9,900	1,900	9,300	4,400	4,900
Other	2,700	2,300	2,200	S	100	300	300	S	100	S	100
Life/related scientists	341,900	113,400	92,600	8,000	12,800	163,300	148,900	14,400	65,300	36,700	28,500
Male	217,500	72,000	60,600	4,700	6,600	98,400	91,000	7,400	47,000	27,900	19,200
Female	124,400	41,300	32,000	3,200	6,200	64,800	57,900	6,900	18,300	8,900	9,400
White	285,100	95,100	77,900	7,400	9,900	133,700	120,900	12,800	56,300	31,900	24,400
Black	6,600	1,300	1,200	S	100	3,400	3,000	400	1,900	1,400	600
Hispanic	10,900	3,000	2,300	300	300	6,400	5,900	500	1,600	400	1,200
Asian/Pacific Islander	37,700	13,600	10,900	300	2,400	19,300	18,900	400	4,700	2,900	1,800
Other	1,600	400	300	S	100	400	300	100	700	200	500
Physical/related scientists	297,900	161,200	148,800	6,300	6,100	82,400	73,200	9,100	54,300	31,300	23,000
Male	229,400	123,800	113,000	5,900	4,900	63,500	56,500	7,000	42,100	24,900	17,300
Female	68,400	37,400	35,900	400	1,200	18,900	16,800	2,100	12,100	6,400	5,700
White	252,500	135,700	124,700	6,000	5,000	70,800	62,400	8,300	46,000	26,600	19,400
Black	8,800	4,400	4,300	S	100	1,400	1,200	300	2,900	1,500	1,400
Hispanic	7,800	4,600	4,000	100	500	2,100	2,000	100	1,100	900	200
Asian/Pacific Islander	27,800	15,900	15,400	100	400	7,700	7,300	400	4,200	2,300	1,900
Other	900	500	400	100	100	300	300	S	100	100	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-40.
Individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1999

Occupation, sex, and race/ethnicity	Employed S&Es, total	Business/industry			Educational institution			Government		
		Total	Profit	Self-employed	Four-year college/ university		Other	Total	Federal	State/ local
					Total	Nonprofit				
Social/related scientists	363,400	155,200	69,200	44,500	41,600	163,900	117,100	46,800	44,300	16,600
Male	167,300	62,400	30,300	16,500	15,500	80,200	63,800	16,300	24,700	9,700
Female	196,200	92,800	38,900	27,900	26,100	83,800	53,200	30,500	19,600	6,900
White	314,400	139,300	62,200	42,800	34,400	138,300	96,100	42,200	36,700	13,400
Black	17,200	4,400	1,400	300	2,700	9,500	7,700	1,800	3,300	1,400
Hispanic	15,500	5,700	2,100	600	3,100	7,400	5,100	2,300	2,400	1,000
Asian/Pacific Islander	14,800	5,500	3,500	700	1,300	7,700	7,400	400	1,600	800
Other	1,500	300	100	100	100	900	900	100	300	200
Engineers	1,370,300	1,108,800	1,065,900	25,000	18,000	66,700	62,100	4,500	194,800	103,800
Male	1,240,200	1,007,500	967,600	23,900	16,000	58,700	54,800	3,900	174,000	92,200
Female	130,000	101,300	98,300	1,100	1,900	7,900	7,300	600	20,800	11,600
White	1,122,400	924,100	886,500	22,400	15,200	49,900	46,300	3,600	148,400	81,700
Black	37,700	26,800	26,500	200	S	2,300	2,200	100	8,600	4,500
Hispanic	49,100	37,200	35,500	800	900	2,800	2,400	400	9,100	4,000
Asian/Pacific Islander	156,600	117,300	114,200	1,600	1,600	11,700	11,200	500	27,600	13,000
Other	4,600	3,500	3,200	S	200	100	100	S	1,000	600
Bachelor's										
S&E occupations	1,994,400	1,555,000	1,465,300	37,200	52,500	171,800	142,500	29,300	267,600	130,200
Male	1,564,700	1,256,600	1,196,700	31,700	28,200	95,700	79,300	16,300	212,500	104,600
Female	429,700	298,400	268,600	5,600	24,300	76,100	63,100	13,000	55,100	25,600
White	1,680,900	1,327,000	1,248,300	34,500	44,100	142,700	117,200	25,500	211,200	104,600
Black	73,900	51,600	49,000	200	2,400	6,300	4,900	1,400	16,000	8,800
Hispanic	74,800	53,900	50,400	700	2,900	8,500	7,200	1,300	12,400	4,300
Asian/Pacific Islander	158,300	117,900	113,200	1,800	2,900	13,800	12,700	1,100	26,700	11,900
Other	6,600	4,600	4,300	S	300	500	500	S	1,500	500
Scientists	1,087,100	802,300	738,000	22,000	42,300	150,400	123,500	26,900	134,300	66,100
Male	744,300	572,000	536,400	16,800	18,800	77,700	63,700	14,000	94,600	48,800
Female	342,800	230,300	201,600	5,300	23,400	72,700	59,800	12,900	39,800	17,200
White	908,100	671,100	615,600	20,500	34,900	127,000	103,400	23,600	110,000	55,200
Black	46,600	32,300	29,900	S	2,300	5,300	4,000	1,300	9,000	5,200
Hispanic	41,500	28,100	25,400	500	2,200	7,400	6,100	1,300	6,000	1,700
Asian/Pacific Islander	87,700	68,900	65,300	1,000	2,700	10,200	9,400	700	8,600	3,800
Other	3,100	2,000	1,800	S	200	500	500	S	700	500
Computer/math scientists	740,500	630,000	592,300	13,300	24,400	51,000	36,100	14,900	59,500	31,900
Male	538,900	467,200	444,100	10,200	12,900	32,000	21,900	10,100	39,700	22,400
Female	201,600	162,800	148,200	3,000	11,500	19,000	14,200	4,800	19,800	9,500
White	612,200	522,100	488,200	12,400	21,500	43,700	31,300	12,400	46,300	26,100
Black	34,200	27,200	26,200	S	1,000	2,100	1,000	1,100	4,900	2,500
Hispanic	27,000	21,800	21,100	200	500	2,100	1,300	800	3,100	700
Asian/Pacific Islander	65,400	57,300	55,300	700	1,300	3,100	2,400	600	5,000	2,600
Other	1,700	1,500	1,400	S	100	100	100	S	100	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-40.
Individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1999

Occupation, sex, and race/ethnicity	Employed S&Es, total	Business/industry			Educational institution			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/ university	Other	Total	Federal	State/ local
Life/related scientists	135,500	55,600	47,500	3,800	4,300	47,300	43,000	4,300	32,500	15,900	16,700
Male	76,900	33,200	28,900	2,700	1,600	20,500	18,700	1,800	23,200	13,100	10,100
Female	58,600	22,500	18,600	1,100	2,700	26,800	24,300	2,500	9,300	2,800	6,600
White	117,100	49,700	43,500	3,400	2,800	39,200	34,900	4,300	28,200	14,600	13,600
Black	2,000	100	100	S	S	500	500	S	1,400	900	500
Hispanic	5,700	1,500	1,100	200	200	3,100	3,100	100	1,000	100	1,000
Asian/Pacific Islander	9,800	4,000	2,800	200	1,100	4,400	4,400	S	1,300	100	1,200
Other	900	200	100	S	100	100	100	S	500	200	400
Physical/related scientists	139,600	87,200	82,400	2,800	2,000	22,300	21,200	1,100	30,200	14,000	16,200
Male	101,700	61,700	57,400	2,700	1,600	15,300	14,300	1,000	24,700	11,500	13,200
Female	38,000	25,500	25,000	100	400	7,000	6,900	100	5,500	2,500	3,000
White	120,600	74,700	70,600	2,700	1,400	19,900	18,900	1,000	26,000	11,700	14,300
Black	5,800	3,600	3,500	S	100	300	300	S	1,900	1,100	800
Hispanic	4,600	3,300	2,800	100	500	600	600	S	700	500	200
Asian/Pacific Islander	8,400	5,300	5,300	S	S	1,500	1,400	100	1,600	700	900
Other	300	200	200	S	S	S	S	S	S	S	S
Social/related scientists	71,400	29,600	15,800	2,200	11,600	29,800	23,100	6,700	12,100	4,300	7,800
Male	26,800	9,900	6,000	1,200	2,800	9,900	8,800	1,200	7,000	1,800	5,100
Female	44,600	19,600	9,800	1,000	8,800	19,900	14,400	5,500	5,100	2,500	2,700
White	58,300	24,500	13,300	2,000	9,200	24,300	18,300	6,000	9,400	2,800	6,700
Black	4,600	1,400	100	S	1,300	2,400	2,200	200	800	700	100
Hispanic	4,200	1,400	400	S	900	1,700	1,200	500	1,200	400	800
Asian/Pacific Islander	4,000	2,200	1,900	200	200	1,100	1,100	S	700	400	200
Other	300	S	S	S	S	300	300	S	S	S	S
Engineers	907,400	752,700	727,200	15,200	10,300	21,400	19,000	2,400	133,300	64,100	69,300
Male	820,400	684,500	660,300	14,900	9,400	17,900	15,700	2,300	117,900	55,700	62,200
Female	86,900	68,100	67,000	300	900	3,400	3,300	100	15,400	8,300	7,100
White	772,800	655,800	632,600	14,000	9,200	15,700	13,700	2,000	101,200	49,500	51,800
Black	27,300	19,400	19,100	200	S	1,000	900	100	7,000	3,600	3,400
Hispanic	33,300	25,900	25,000	200	700	1,100	1,000	S	6,300	2,600	3,700
Asian/Pacific Islander	70,600	49,000	48,000	800	200	3,600	3,300	300	18,100	8,100	10,000
Other	3,400	2,600	2,500	S	100	S	S	700	300	500	
Master's											
S&E occupations	1,032,100	719,400	639,100	41,200	39,100	178,400	111,800	66,600	134,300	75,500	58,800
Male	751,200	548,600	509,600	20,200	18,700	99,300	68,000	31,300	103,300	61,500	41,800
Female	280,900	170,800	129,500	20,900	20,400	79,100	43,800	35,400	31,000	14,000	17,000
White	807,200	551,700	480,000	38,900	32,800	148,000	89,300	58,700	107,500	62,300	45,200
Black	35,900	20,300	18,800	100	1,400	8,700	5,800	2,900	6,900	3,700	3,200
Hispanic	32,800	21,000	18,400	600	2,000	7,100	3,700	3,400	4,700	2,300	2,300
Asian/Pacific Islander	153,000	124,600	120,400	1,500	2,600	13,900	12,600	1,300	14,600	6,700	7,900
Other	3,100	1,800	1,500	100	200	700	400	200	600	400	200

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-40.
Individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1999

Occupation, sex, and race/ethnicity	Employed S&Es, total	Business/industry			Educational institution			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/ university	Other	Total	Federal	State/ local
Scientists	655,500	415,600	348,300	33,300	34,000	159,200	94,100	65,100	80,800	42,500	38,300
Male	411,400	274,500	246,700	13,200	14,600	82,300	52,300	30,000	54,600	31,300	23,300
Female	244,200	141,100	101,600	20,100	19,400	76,900	41,800	35,100	26,200	11,200	15,000
White	516,000	316,500	255,900	31,900	28,700	133,100	75,500	57,600	66,400	35,400	31,000
Black	27,300	13,600	12,100	100	1,400	8,300	5,400	2,900	5,400	2,900	2,500
Hispanic	19,100	10,900	8,800	300	1,900	6,200	3,100	3,100	2,000	1,100	1,000
Asian/Pacific Islander	91,100	73,400	70,600	1,000	1,900	11,000	9,700	1,200	6,700	3,000	3,600
Other	2,100	1,100	900	100	100	700	400	200	300	100	200
Computer/math scientists	354,100	276,400	260,300	7,000	9,000	50,200	29,900	20,300	27,600	17,800	9,800
Male	253,700	203,800	193,200	5,500	5,100	28,100	16,800	11,300	21,700	15,200	6,600
Female	100,500	72,600	67,100	1,500	4,000	22,100	13,100	8,900	5,800	2,600	3,200
White	256,200	194,100	179,600	6,500	8,000	41,100	24,100	17,000	21,000	14,200	6,800
Black	15,200	10,100	9,900	S	100	2,800	1,600	1,300	2,400	1,900	500
Hispanic	8,800	6,500	6,300	S	200	1,600	700	900	700	300	300
Asian/Pacific Islander	72,900	64,900	63,700	500	700	4,500	3,400	1,000	3,500	1,400	2,200
Other	900	700	700	S	S	200	200	S	S	S	S
Life/related scientists	72,500	25,000	19,100	2,100	3,900	27,800	20,900	6,900	19,700	9,800	9,900
Male	44,000	14,400	12,100	600	1,700	15,100	11,700	3,400	14,500	6,900	7,600
Female	28,500	10,700	7,000	1,500	2,200	12,700	9,200	3,500	5,200	2,900	2,300
White	61,200	20,500	15,200	2,000	3,300	22,800	16,700	6,100	17,900	8,700	9,200
Black	2,200	800	800	S	S	1,200	900	400	200	200	S
Hispanic	1,800	500	500	S	S	900	500	400	400	100	200
Asian/Pacific Islander	7,100	3,200	2,600	100	500	2,800	2,800	S	1,000	700	300
Other	300	S	S	S	S	100	S	100	100	S	100
Physical/related scientists	73,000	40,100	36,200	2,300	1,600	19,400	14,200	5,200	13,500	8,200	5,300
Male	53,700	32,500	29,200	2,100	1,200	13,200	9,600	3,600	8,000	5,100	2,900
Female	19,300	7,600	6,900	200	400	6,200	4,500	1,700	5,500	3,100	2,400
White	62,300	35,000	31,300	2,200	1,500	16,600	11,600	5,000	10,800	7,000	3,800
Black	1,800	500	500	S	S	300	300	100	1,000	300	700
Hispanic	1,400	800	800	S	S	400	300	100	200	100	S
Asian/Pacific Islander	7,100	3,600	3,500	S	100	2,000	1,900	S	1,500	800	800
Other	400	300	100	100	100	100	100	S	S	S	S
Social/related scientists	155,900	74,100	32,700	21,900	19,400	61,800	29,100	32,700	20,000	6,700	13,300
Male	60,000	23,800	12,200	5,100	6,600	25,800	14,200	11,700	10,400	4,100	6,300
Female	95,900	50,300	20,500	16,900	12,900	35,900	15,000	21,000	9,700	2,600	7,000
White	136,200	66,900	29,900	21,200	15,900	52,600	23,100	29,500	16,600	5,400	11,200
Black	8,100	2,300	1,000	S	1,300	3,900	2,700	1,200	1,900	500	1,300
Hispanic	7,100	3,000	1,100	200	1,700	3,300	1,500	1,700	800	500	400
Asian/Pacific Islander	4,000	1,700	800	400	500	1,700	1,600	200	500	200	300
Other	500	100	S	S	100	300	200	100	200	100	100

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-40.
Individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1999

Occupation, sex, and race/ethnicity	Employed S&Es, total	Business/industry			Educational institution			Government		
		Total	Self-employed		Four-year college/ university	Other	Total	Federal	State/ local	
			Profit	Nonprofit						
Engineers	376,500	303,800	290,800	7,900	5,100	19,200	17,700	1,500	53,500	33,000
Male	339,800	274,100	262,900	7,000	4,100	17,000	15,800	1,300	48,700	30,200
Female	36,700	29,700	27,900	800	1,000	2,200	1,900	300	4,800	2,800
White	291,300	235,100	224,100	6,900	4,100	15,000	13,800	1,100	41,200	26,900
Black	8,600	6,600	6,600	S	S	500	500	S	1,600	900
Hispanic	13,600	10,200	9,700	400	100	900	600	300	2,600	1,200
Asian/Pacific Islander	62,000	51,100	49,800	500	800	2,900	2,800	100	7,900	3,700
Other	1,000	700	600	S	100	S	S	S	300	300
Doctorate										
S&E occupations	484,100	195,000	150,000	24,700	20,300	244,300	229,900	14,400	44,800	32,900
Male	368,900	154,200	125,100	14,900	14,200	179,700	170,800	9,000	35,000	26,500
Female	115,200	40,800	24,800	9,900	6,100	64,600	59,100	5,500	9,800	6,300
White	381,600	146,000	106,100	23,300	16,700	198,900	186,900	12,000	36,700	27,000
Black	11,000	2,500	1,900	300	300	7,300	6,200	1,000	1,300	700
Hispanic	12,900	4,400	3,300	400	700	7,600	7,300	300	1,000	600
Asian/Pacific Islander	77,000	41,600	38,400	700	2,600	29,700	28,600	1,100	5,700	4,500
Other	1,600	500	300	100	100	900	900	S	200	100
Scientists	399,900	144,000	103,200	23,000	17,700	218,300	204,400	13,800	37,700	26,900
Male	290,900	106,400	81,600	13,100	11,700	155,900	147,400	8,500	28,500	21,100
Female	109,100	37,600	21,600	9,900	6,100	62,300	57,000	5,300	9,200	5,800
White	325,100	114,000	77,400	21,800	14,800	179,700	168,200	11,500	31,400	22,400
Black	9,300	1,700	1,200	200	300	6,400	5,400	1,000	1,200	600
Hispanic	11,000	3,400	2,400	400	600	6,700	6,500	200	800	500
Asian/Pacific Islander	53,100	24,400	21,900	400	2,000	24,500	23,500	1,000	4,200	3,300
Other	1,500	400	200	100	100	900	800	S	100	100
Computer/math scientists	67,100	32,600	29,400	1,100	2,000	30,700	28,700	2,000	3,800	2,700
Male	54,900	27,100	24,700	1,000	1,400	24,500	23,100	1,400	3,200	2,200
Female	12,200	5,400	4,700	100	600	6,200	5,600	600	600	500
White	49,500	21,800	19,300	1,000	1,500	24,600	23,300	1,400	3,100	2,100
Black	1,400	300	200	S	S	1,100	700	400	100	S
Hispanic	1,600	800	700	S	100	700	700	S	S	S
Asian/Pacific Islander	14,500	9,700	9,200	100	300	4,200	4,000	200	600	500
Other	S	S	S	S	S	S	S	S	S	S
Life/related scientists	121,100	30,400	24,200	1,900	4,300	78,500	75,600	2,900	12,200	10,200
Male	86,200	23,000	18,700	1,300	3,000	54,300	52,400	2,000	8,900	7,400
Female	34,900	7,400	5,500	600	1,300	24,200	23,200	900	3,300	2,800
White	95,600	22,900	17,700	1,800	3,400	63,300	60,800	2,500	9,400	7,800
Black	2,100	400	300	S	100	1,400	1,300	100	400	300
Hispanic	3,500	900	800	S	100	2,400	2,300	100	200	200
Asian/Pacific Islander	19,500	6,100	5,300	100	700	11,200	10,900	300	2,100	1,900
Other	400	200	100	S	S	200	200	S	100	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-40.

Individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1999

Occupation, sex, and race/ethnicity	Employed S&Es, total	Business/industry			Educational institution			Government			
		Total	Profit	Self-employed	Nonprofit	Total	Four-year college/ university	Other	Total	Federal	State/ local
Physical/related scientists	84,900	33,800	30,200	1,100	2,500	40,600	37,800	2,800	10,400	8,800	1,600
Male	73,700	29,500	26,300	1,000	2,100	34,900	32,500	2,500	9,200	8,000	1,300
Female	11,200	4,400	4,000	100	300	5,700	5,300	400	1,100	900	300
White	69,200	25,900	22,800	1,000	2,100	34,200	31,900	2,400	9,000	7,700	1,300
Black	1,200	400	400	S	S	800	600	200	100	100	S
Hispanic	1,800	400	400	S	S	1,100	1,100	S	200	200	S
Asian/Pacific Islander	12,300	7,100	6,600	100	400	4,200	4,000	300	1,000	800	200
Other	300	S	S	S	S	200	200	S	S	S	S
Social/related scientists	126,900	47,100	19,300	18,800	8,900	68,500	62,300	6,100	11,300	5,200	6,100
Male	76,100	26,800	11,900	9,700	5,100	42,200	39,500	2,700	7,200	3,600	3,600
Female	50,800	20,300	7,500	9,100	3,800	26,300	22,900	3,400	4,200	1,600	2,500
White	110,800	43,500	17,700	18,000	7,800	57,500	52,200	5,300	9,800	4,800	5,100
Black	4,500	700	300	200	200	3,200	2,800	400	700	200	500
Hispanic	4,100	1,300	500	300	400	2,500	2,400	100	400	100	200
Asian/Pacific Islander	6,800	1,500	800	100	600	4,900	4,600	200	400	100	300
Other	700	200	100	100	S	400	400	S	100	S	S
Engineers	84,200	51,000	46,700	1,700	2,500	26,100	25,500	600	7,100	5,900	1,200
Male	78,000	47,800	43,500	1,700	2,500	23,800	23,300	400	6,500	5,400	1,100
Female	6,200	3,300	3,200	S	100	2,300	2,100	200	600	500	100
White	56,500	32,000	28,700	1,500	1,900	19,200	18,700	500	5,300	4,700	700
Black	1,700	700	700	S	S	800	800	S	100	100	S
Hispanic	1,900	1,000	900	S	100	800	800	S	200	100	100
Asian/Pacific Islander	23,900	17,200	16,400	200	600	5,200	5,100	100	1,500	1,100	400
Other	100	100	100	S	S	100	100	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability; S&E = science and engineering; SESTAT = Scientists and Engineers Statistical Data System

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Appendix table 3-41.

Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and race/ethnicity: 1999

Occupation	Employed S&Es, total	Sex		Race/ethnicity				Asian/Pacific Islander	Other
		Male	Female	White	Black	Hispanic			
All degree levels^a									
S&E occupations	3,540,800	2,705,000	835,800	2,896,600	121,600	120,900	390,500	11,300	
Scientists	2,170,500	1,464,800	705,800	1,774,200	84,000	71,800	233,900	6,700	
Computer/math scientists	1,167,400	850,600	316,700	922,200	51,400	37,600	153,600	2,700	
Life/related scientists	341,900	217,500	124,400	285,100	6,600	10,900	37,700	1,600	
Physical/related scientists	297,900	229,400	68,400	252,500	8,800	7,800	27,800	900	
Social/related scientists	363,400	167,300	196,200	314,400	17,200	15,500	14,800	1,500	
Engineers	1,370,300	1,240,200	130,000	1,122,400	37,700	49,100	156,600	4,600	
Bachelor's									
S&E occupations	1,994,400	1,564,700	429,700	1,680,900	73,900	74,800	158,300	6,600	
Scientists	1,087,100	744,300	342,800	908,100	46,600	41,500	87,700	3,100	
Computer/math scientists	740,500	538,900	201,600	612,200	34,200	27,000	65,400	1,700	
Life/related scientists	135,500	76,900	58,600	117,100	2,000	5,700	9,800	900	
Physical/related scientists	139,600	101,700	38,000	120,600	5,800	4,600	8,400	S	
Social/related scientists	71,400	26,800	44,600	58,300	4,600	4,200	4,000	S	
Engineers	907,400	820,400	86,900	772,800	27,300	33,300	70,600	3,400	
Master's									
S&E occupations	1,032,100	751,200	280,900	807,200	35,900	32,800	153,000	3,100	
Scientists	655,500	411,400	244,200	516,000	27,300	19,100	91,100	2,100	
Computer/math scientists	354,100	253,700	100,500	256,200	15,200	8,800	72,900	900	
Life/related scientists	72,500	44,000	28,500	61,200	2,200	1,800	7,100	300	
Physical/related scientists	73,000	53,700	19,300	62,300	1,800	1,400	7,100	400	
Social/related scientists	155,900	60,000	95,900	136,200	8,100	7,100	4,000	500	
Engineers	376,500	339,800	36,700	291,300	8,600	13,600	62,000	1,000	
Doctorate									
S&E occupations	484,100	368,900	115,200	381,600	11,000	12,900	77,000	1,600	
Scientists	399,900	290,900	109,100	325,100	9,300	11,000	53,100	1,500	
Computer/math scientists	67,100	54,900	12,200	49,500	1,400	1,600	14,500	S	
Life/related scientists	121,100	86,200	34,900	95,600	2,100	3,500	19,500	400	
Physical/related scientists	84,900	73,700	11,200	69,200	1,200	1,800	12,300	300	
Social/related scientists	126,900	76,100	50,800	110,800	4,500	4,100	6,800	700	
Engineers	84,200	78,000	6,200	56,500	1,700	1,900	23,900	100	

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Science & Engineering Indicators – 2002

Appendix table 3-42.

Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and race/ethnicity: 1997

Occupation	Employed S&Es, total	Sex		Race/ethnicity				
		Male	Female	White	Black	Hispanic	Asian/Pacific Islander	Other
All degree levels^a								
S&E occupations	3,369,400	2,606,100	763,300	2,791,900	113,000	103,500	349,800	11,300
Scientists	1,995,100	1,355,400	639,600	1,654,600	77,500	55,800	200,100	7,100
Computer/math scientists	1,039,500	758,600	280,900	839,400	44,900	26,200	126,600	2,500
Life/related scientists	321,800	205,900	115,900	272,400	7,700	8,000	32,300	1,400
Physical/related scientists	284,900	223,100	61,800	240,200	8,400	7,200	27,900	1,200
Social/related scientists	349,000	167,900	181,100	302,600	16,500	14,400	13,300	2,100
Engineers	1,374,400	1,250,700	123,700	1,137,300	35,400	47,700	149,700	4,200
Bachelor's								
S&E occupations	1,917,600	1,522,200	395,500	1,632,700	72,600	62,200	143,200	7,000
Scientists	1,000,800	688,500	312,300	846,900	46,200	29,400	74,200	4,000
Computer/math scientists	675,400	488,000	187,400	566,700	33,100	18,100	55,800	1,700
Life/related scientists	125,200	74,300	50,900	110,000	3,000	3,300	8,000	900
Physical/related scientists	131,700	97,100	34,600	114,000	5,500	3,900	7,900	400
Social/related scientists	68,500	29,100	39,400	56,300	4,600	4,200	2,500	900
Engineers	916,900	833,700	83,200	785,800	26,300	32,800	68,900	3000
Master's								
S&E occupations	967,900	715,300	252,600	770,200	30,000	29,300	135,800	2,700
Scientists	592,000	374,400	217,600	475,100	21,900	16,000	77,400	1,700
Computer/math scientists	301,600	219,300	82,300	226,400	10,300	6,300	57,900	600
Life/related scientists	70,300	40,000	30,300	59,400	2,500	1,400	6,700	200
Physical/related scientists	69,100	52,600	16,500	57,700	1,500	1,600	7,900	500
Social/related scientists	151,100	62,500	88,600	131,600	7,500	6,600	4,800	400
Engineers	375,900	340,900	34,900	295,100	8,100	13,300	58,400	1,000
Doctorate								
S&E occupations	454,700	348,300	106,400	363,600	9,600	10,700	69,200	1,600
Scientists	375,300	274,200	101,000	309,100	8,600	9,300	46,900	1,400
Computer/math scientists	59,000	48,500	10,500	43,800	1,100	1,600	12,300	200
Life/related scientists	111,800	80,600	31,200	90,700	1,800	2,600	16,500	300
Physical/related scientists	83,700	73,000	10,700	68,200	1,400	1,700	12,100	200
Social/related scientists	120,800	72,200	48,600	106,400	4,400	3,300	5,900	700
Engineers	79,400	74,100	5,300	54,500	1,100	1,500	22,300	100

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1997.

Science & Engineering Indicators – 2002

Appendix table 3-43.

Individuals employed in S&E occupations by highest degree attained, occupation, sex, and race/ethnicity: 1995

Occupation	Employed S&Es, total	Sex		Race/ethnicity				Asian/Pacific Islander	Other
		Male	Female	White	Black	Hispanic			
All degree levels^a									
S&E occupations	3,185,600	2,472,100	713,500	2,673,700	107,500	90,100	304,600	9,700	
Scientists	1,846,600	1,248,100	598,500	1,552,600	73,200	47,900	167,300	5,500	
Computer/math scientists	949,500	674,500	275,000	784,900	39,300	22,800	100,200	2,300	
Life/related scientists	305,300	199,400	105,900	257,200	9,700	8,500	29,000	900	
Physical/related scientists	274,300	215,200	59,100	232,600	7,800	6,800	26,200	800	
Social/related scientists	317,500	159,000	158,500	277,900	16,500	9,800	11,800	1,500	
Engineers	1,339,000	1,224,000	115,000	1,121,000	34,200	42,200	137,300	4,200	
Bachelor's									
S&E occupations	1,849,300	1,468,600	380,700	1,589,700	71,000	55,000	127,600	5,900	
Scientists	940,400	639,500	300,900	803,300	44,600	26,400	63,400	2,700	
Computer/math scientists	627,300	438,700	188,700	533,100	29,000	17,200	46,500	1,500	
Life/related scientists	122,200	75,300	46,900	106,700	4,300	4,200	6,700	300	
Physical/related scientists	128,800	95,000	33,800	112,300	5,400	3,000	7,500	500	
Social/related scientists	62,000	30,500	31,500	51,200	5,900	2,100	2,600	300	
Engineers	908,900	829,100	79,800	786,400	26,400	28,600	64,200	3200	
Master's									
S&E occupations	893,200	661,200	232,000	725,600	25,700	23,900	115,800	2,200	
Scientists	533,900	332,500	201,400	439,900	18,700	12,200	61,700	1,400	
Computer/math scientists	267,900	190,300	77500	209,800	9,000	4,300	44,100	500	
Life/related scientists	63,800	35,900	27,900	53,500	2,500	1,200	6,300	300	
Physical/related scientists	67,200	51,300	15,900	56,200	1,100	2,200	7,500	200	
Social/related scientists	135,000	54,900	80,100	120,300	6,100	4,400	3,700	400	
Engineers	359,300	328,700	30,600	285,800	6,900	11,700	54,000	800	
Doctorate									
S&E occupations	412,100	320,500	91,600	332,200	9,100	10,100	59,200	1,500	
Scientists	343,600	256,600	87,000	285,400	8,200	8,500	40,200	1,400	
Computer/math scientists	51,200	42,700	8,500	39,400	900	1,300	9,300	200	
Life/related scientists	102,100	75,300	26,900	83,100	1,900	2,500	14,300	200	
Physical/related scientists	78,100	68,700	9,400	63,900	1,300	1,600	11,200	200	
Social/related scientists	112,200	69,900	42,200	98,800	4,100	3,100	5,400	800	
Engineers	68,500	63,900	4,600	46,800	900	1,600	19,000	200	

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1995.

Science & Engineering Indicators – 2002

Appendix table 3-44.

Individuals employed in S&E occupations by highest degree attained, occupation, sex, and race/ethnicity: 1993

Occupation	Employed S&Es, total	Sex		Race/ethnicity				Asian/Pacific Islander	Other
		Male	Female	White	Black	Hispanic			
All degree levels^a									
S&E occupations	3,303,400	2,547,900	755,500	2,777,500	119,400	97,200	299,300	10,000	
Scientists	1,912,300	1,276,400	635,900	1,612,100	79,800	53,800	160,500	6,100	
Computer/math scientists	991,500	686,100	305,400	827,700	44,500	26,300	90,600	2,400	
Life/related scientists	322,300	212,600	109,700	269,300	10,400	10,100	31,300	1,100	
Physical/related scientists	280,900	221,100	59,900	237,600	8,000	7,100	27,200	1,000	
Social/related scientists	317,600	156,600	160,900	277,500	16,800	10,300	11,400	1,600	
Engineers	1,391,100	1,271,500	119,600	1,165,400	39,700	43,400	138,800	3,900	
Bachelor's									
S&E occupations	1,980,300	1,553,200	427,200	1,700,100	83,400	62,600	127,600	6,600	
Scientists	1,007,000	664,900	342,100	859,100	52,000	31,100	61,000	3,800	
Computer/math scientists	676,200	457,700	218,500	574,800	34,500	19,800	45,300	1,900	
Life/related scientists	131,600	82,200	49,500	114,200	5,800	4,900	6,100	700	
Physical/related scientists	130,700	96,900	33,700	113,500	5,700	3,500	7,300	700	
Social/related scientists	68,500	28,200	40,300	56,600	6,000	3,000	2,300	600	
Engineers	973,300	888,200	85,100	841,000	31,400	31,500	66,600	2,700	
Master's									
S&E occupations	891,300	657,300	234,000	725,900	26,000	24,200	113,300	1,900	
Scientists	541,400	338,200	203,300	449,400	18,800	13,500	58,900	800	
Computer/math scientists	263,600	185,400	78,200	212,100	8,300	5,300	37,600	300	
Life/related scientists	70,400	40,500	29,900	57,400	2,700	1,900	8,300	S	
Physical/related scientists	72,600	55,600	17,000	61,100	1,200	1,900	8,200	S	
Social/related scientists	134,900	56,600	78,200	118,800	6,600	4,400	4,700	300	
Engineers	349,900	319,100	30,800	276,600	7,200	10,700	54,400	1,000	
Doctorate									
S&E occupations	395,600	311,500	84,100	321,300	9,000	9,100	54,800	1,400	
Scientists	330,500	250,000	80,600	275,900	8,000	8,000	37,400	1,300	
Computer/math scientists	48,700	40,400	8,300	38,500	1,200	1,300	7,600	200	
Life/related scientists	98,100	73,300	24,800	79,900	1,500	2,400	13,900	300	
Physical/related scientists	77,000	68,300	8,700	62,400	1,100	1,700	11,600	200	
Social/related scientists	106,700	68,000	38,700	95,100	4,100	2,600	4,300	700	
Engineers	65,000	61,500	3,500	45,400	1,000	1,100	17,500	100	

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993.

Appendix table 3-45.

Number, employment status, and median salary of 1997 and 1998 bachelor's and master's degree recipients, by field of degree: 1999

Field of degree	Primary education and employment status					
	Total recipients	Full-time student	Not full-time student			Median salary for full-time employed ^a
			Employed in science and engineering	Employed in other occupation	Not employed & not full-time student	
Bachelor's degree recipients						
All science and engineering fields	743,400	165,500	161,900	377,300	38,800	\$30,000
Total science	628,800	150,800	83,100	359,300	35,500	28,000
Computer and information sciences	46,000	S	27,000	15,100	S	44,000
Life and related sciences, total	164,000	54,300	20,900	79,100	9,800	25,000
Agricultural and food sciences	15,700	3,200	S	10,000	0	27,000
Biological sciences	134,900	48,800	16,200	62,000	7,800	25,000
Environmental life sciences including forestry science	13,500	2,300	3,000	7,100	S	26,000
Mathematical and related sciences	23,700	4,800	3,900	13,900	S	30,000
Physical and related sciences, total	36,500	12,600	11,100	11,900	1,000	29,000
Chemistry, except biochemistry	20,100	7,900	6,300	5,500	S	29,000
Earth sciences, geology, and oceanography	8,700	1,900	2,500	4,000	S	26,000
Physics and astronomy	7,200	2,600	2,200	2,200	S	35,000
Other physical sciences	600	S	S	S	S	S
Psychology	146,700	34,400	7,300	95,200	9,800	25,000
Social and related sciences, total	211,800	42,400	13,000	144,100	12,300	28,000
Economics	32,700	4,900	3,300	22,600	S	35,000
Political science and related sciences	71,700	20,500	4,100	42,300	4,700	29,000
Sociology and anthropology	69,500	11,700	S	51,600	S	25,000
Other social sciences	37,900	5,300	S	27,600	2,800	26,000
Total engineering	114,600	14,600	78,700	18,000	3,300	43,000
Aerospace and related engineering	2,400	500	1,300	500	S	41,000
Chemical engineering	12,400	1,900	8,500	1,600	S	45,000
Civil and architectural engineering	20,200	2,500	14,200	2,800	S	37,000
Electrical, electronic, computer and communications engineering	34,200	4,000	25,500	4,200	S	46,000
Industrial engineering	6,000	400	3,700	1,500	S	41,000
Mechanical engineering	26,300	2,600	18,500	4,600	S	43,000
Other engineering	13,200	2,700	7,200	2,800	S	40,000

See explanatory notes, if any, and SOURCE at end of table

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Appendix table 3-45.

Number, employment status, and median salary of 1997 and 1998 bachelor's and master's degree recipients, by field of degree: 1999

Field of degree	Primary education and employment status					
	Total recipients	Full-time student	Not full-time student			Median salary for full-time employed ^a
			Employed in science and engineering	Employed in other occupation	Not employed & not full-time student	
Master's degree recipients						
All science and engineering fields	157,000	32,100	71,800	46,300	6,800	\$46,000
Total science	110,400	24,300	39,400	41,200	5,500	40,000
Computer and information sciences	20,000	1,600	14,200	3,700	S	58,000
Life and related sciences, total	16,600	4,900	5,000	6,000	S	34,000
Agricultural and food sciences	2,300	S	S	S	S	35,000
Biological sciences	11,600	4,300	3,400	3,600	S	34,000
Environmental life sciences including forestry sciences	2,600	S	S	1,400	S	36,000
Mathematical and related sciences	7,200	1,800	3,200	1,700	S	44,000
Physical and related sciences, total	9,100	2,900	4,100	1,600	S	42,000
Chemistry, except biochemistry	3,700	1,200	1,700	S	S	43,000
Earth sciences, geology, and oceanography	3,000	600	1,600	600	S	37,000
Physics and astronomy	2,300	1,100	800	S	S	40,000
Other physical sciences	S	S	S	S	S	S
Psychology	30,000	6,900	7,700	13,200	2,200	32,000
Social and related sciences, total	27,500	6,200	5,100	14,900	1,300	40,000
Economics	4,300	1,300	S	1,600	S	45,000
Political science and related sciences	9,400	1,900	1,600	5,600	S	40,000
Sociology and anthropology	4,300	1,400	S	1,700	S	31,000
Other social sciences	9,500	1,500	S	6,100	S	38,000
Total engineering	46,700	7,900	32,500	5,100	1,300	55,000
Aerospace and related engineering	1,500	400	800	S	S	50,000
Chemical engineering	2,300	500	1,400	S	S	55,000
Civil and architectural engineering	6,600	S	4,700	S	S	45,000
Electrical, electronic, computer and communications engineering	16,300	2,400	12,500	1,000	S	60,000
Industrial engineering	3,600	S	2,400	S	S	55,000
Mechanical engineering	6,800	1,100	4,900	S	S	51,000
Other engineering	9,600	2,000	5,700	1,600	S	52,000

S = Suppressed for reasons of confidentiality and/or data reliability

^a Salary data for the following groups are not included in the table: self-employed persons, full-time students, and people whose principal job was less than 35 hours per week. Salary data are for principal job only.

NOTE: Details may not add to totals because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, National Survey of Recent College Graduates, 1999.

Appendix table 3-46.

Median annual salaries of individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1999
(Dollars)

Occupation, sex, and race/ethnicity	Total employed S&Es	Sector of employment		
		Business/ industry	Four-year college/ university	Other educational institution
All degree levels^a				
S&E occupations	60,000	65,000	48,000	45,000
Male	64,000	67,000	53,000	47,500
Female	50,000	55,000	38,000	43,000
White	61,000	65,000	50,000	45,000
Black	53,000	55,000	41,000	43,000
Hispanic	55,000	58,000	38,000	42,000
Asian/Pacific Islander	62,000	66,000	45,000	48,000
Other	52,000	55,000	48,000	43,100
Scientists, total	58,800	64,000	46,000	45,000
Male	62,000	67,000	51,000	47,600
Female	50,000	55,000	38,000	43,100
White	59,700	65,000	48,000	45,000
Black	50,000	52,000	41,000	43,000
Hispanic	51,000	58,000	37,000	42,000
Asian/Pacific Islander	60,000	66,000	42,000	52,000
Other	45,000	50,000	48,000	43,100
Computer/math scientists	64,000	66,000	49,000	43,200
Male	65,900	69,000	52,000	47,000
Female	58,000	60,000	45,000	43,000
White	65,000	67,000	48,000	43,000
Black	54,000	55,000	45,000	43,000
Hispanic	59,000	62,000	46,000	50,000
Asian/Pacific Islander	65,000	68,600	52,000	58,000
Other	54,000	55,000	28,800	S
Life/related scientists	47,700	53,000	42,000	42,000
Male	51,000	57,000	50,000	50,000
Female	39,000	47,300	32,000	37,000
White	49,000	52,000	45,000	40,000
Black	42,000	53,500	39,000	42,000
Hispanic	35,500	51,000	29,500	40,000
Asian/Pacific Islander	43,000	55,000	33,000	82,600
Other	39,000	36,000	38,800	S
Physical/related scientists	52,000	56,000	44,200	45,000
Male	56,000	61,200	48,500	45,000
Female	41,400	42,000	33,000	36,000
White	52,300	58,500	45,000	45,000
Black	43,000	43,000	38,000	41,000
Hispanic	43,000	40,000	37,900	70,000
Asian/Pacific Islander	53,400	60,000	42,000	43,000
Other	49,000	47,500	55,000	S
Social/related scientists	47,000	45,000	49,400	46,300
Male	54,000	60,000	55,000	48,000
Female	40,000	37,000	40,600	45,000
White	48,000	46,000	50,000	46,300
Black	40,000	30,000	41,000	49,000
Hispanic	40,000	35,000	41,000	42,000
Asian/Pacific Islander	48,000	47,500	50,000	50,000
Other	49,000	50,000	45,000	36,000
Engineers	65,000	65,000	59,000	44,000
Male	65,000	67,000	60,000	45,000
Female	55,500	56,000	38,000	31,200
White	65,000	65,200	60,000	43,000
Black	58,000	59,000	55,000	S
Hispanic	58,000	58,000	40,000	49,000
Asian/Pacific Islander	64,400	66,000	59,000	45,000
Other	60,000	57,000	44,000	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-46.

Median annual salaries of individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1999
(Dollars)

Occupation, sex, and race/ethnicity	Total employed S&Es	Sector of employment			Government
		Business/ industry	Four-year college/ university	Other educational institution	
Bachelor's					
S&E occupations	59,000	60,000	28,200	40,000	55,000
Male	60,000	63,000	32,000	40,000	57,000
Female	50,000	53,000	25,200	36,000	48,000
White	60,000	62,000	29,000	39,000	55,000
Black	50,600	51,500	40,000	42,000	52,000
Hispanic	53,500	55,000	19,500	25,000	49,900
Asian/Pacific Islander	58,000	60,000	25,000	44,000	56,500
Other	46,000	47,500	S	S	43,500
Scientists	55,000	60,000	27,000	39,000	49,000
Male	60,000	63,000	28,000	40,000	50,000
Female	48,000	54,000	26,000	39,000	43,400
White	56,000	60,000	27,000	38,000	50,000
Black	48,000	50,000	30,000	41,000	46,300
Hispanic	50,000	56,000	19,500	25,000	45,000
Asian/Pacific Islander	55,000	60,000	25,000	40,000	50,000
Other	36,000	36,000	S	S	39,000
Computer/math scientists	60,800	64,000	45,000	40,000	54,000
Male	64,000	65,000	42,000	40,000	56,000
Female	56,000	58,600	48,000	42,300	48,000
White	62,200	65,000	43,000	40,000	54,000
Black	50,000	51,500	45,000	S	45,000
Hispanic	57,000	60,000	54,000	S	50,000
Asian/Pacific Islander	60,000	62,000	52,000	S	58,000
Other	35,000	35,000	S	S	S
Life/related scientists	37,000	43,000	20,000	36,000	42,500
Male	41,500	43,000	19,300	55,000	45,000
Female	33,600	44,000	21,000	22,000	36,000
White	38,000	45,000	20,000	36,000	44,000
Black	36,000	S	S	S	41,500
Hispanic	28,500	36,000	17,000	S	35,500
Asian/Pacific Islander	35,000	42,000	22,000	S	42,000
Other	36,000	S	S	S	39,000
Physical/related scientists	45,000	47,000	16,000	12,000	48,800
Male	47,000	50,000	16,000	S	47,000
Female	38,000	39,500	16,000	S	49,000
White	45,000	48,000	16,000	S	48,000
Black	43,000	41,700	S	S	50,000
Hispanic	37,000	36,000	15,000	S	49,000
Asian/Pacific Islander	41,400	45,000	22,000	S	52,000
Other	S	S	S	S	S
Social/related scientists	30,000	29,700	22,600	41,000	42,000
Male	35,000	28,500	24,000	S	50,000
Female	29,700	29,700	22,500	41,000	32,000
White	30,000	30,000	22,600	39,000	45,000
Black	30,000	28,000	S	S	58,000
Hispanic	27,000	24,000	S	S	42,000
Asian/Pacific Islander	30,000	35,000	S	S	30,000
Other	48,000	S	S	S	48,000
Engineers	60,000	61,300	46,000	43,000	60,000
Male	62,000	62,500	50,000	43,000	60,000
Female	52,000	52,000	19,000	30,000	55,700
White	62,000	62,000	46,000	43,000	60,000
Black	56,000	56,000	55,200	S	57,400
Hispanic	56,000	55,000	37,000	S	60,000
Asian/Pacific Islander	59,100	60,000	30,000	S	58,000
Other	60,000	58,100	S	S	63,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-46.

Median annual salaries of individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1999
(Dollars)

Occupation, sex, and race/ethnicity	Total employed S&Es	Sector of employment			Government
		Business/ industry	Four-year college/ university	Other educational institution	
Master's					
S&E occupations	64,000	70,000	36,000	46,300	57,600
Male	68,000	72,000	40,000	48,800	60,000
Female	50,000	60,000	32,000	45,000	49,300
White	64,400	70,000	37,000	47,000	59,000
Black	54,000	62,000	30,900	42,000	50,000
Hispanic	58,000	65,000	34,000	50,000	58,000
Asian/Pacific Islander	65,300	69,000	40,000	60,000	60,000
Other	54,000	55,000	27,500	S	59,000
Scientists	60,000	67,000	35,000	46,300	52,000
Male	63,900	70,000	37,500	48,000	55,000
Female	48,000	57,700	32,000	45,000	49,000
White	58,000	68,000	35,500	46,300	53,000
Black	50,000	60,000	30,900	42,000	50,000
Hispanic	51,000	61,000	34,500	50,000	58,000
Asian/Pacific Islander	65,000	70,000	40,000	60,000	50,000
Other	52,500	55,000	27,500	S	35,000
Computer/math scientists	68,000	71,000	40,000	47,500	63,000
Male	70,000	74,000	42,000	48,800	63,200
Female	61,000	65,000	36,000	43,000	53,000
White	68,000	72,000	40,000	47,500	63,000
Black	60,000	64,000	32,000	42,000	59,000
Hispanic	66,000	73,500	39,000	52,000	65,000
Asian/Pacific Islander	70,000	70,000	50,000	60,000	51,000
Other	55,000	55,000	S	S	S
Life/ related scientists	43,800	50,000	33,000	40,000	49,000
Male	46,000	53,000	33,000	38,000	48,000
Female	41,000	44,200	32,000	42,000	49,000
White	45,000	50,000	33,000	40,000	49,000
Black	42,000	50,000	30,900	S	S
Hispanic	40,000	51,000	25,000	40,000	30,000
Asian/Pacific Islander	41,000	47,000	33,000	S	42,800
Other	S	S	S	S	S
Physical/related scientists	52,000	60,600	33,000	50,000	52,000
Male	58,000	65,900	34,000	50,000	57,000
Female	42,400	48,000	33,000	35,000	44,000
White	55,000	65,000	34,000	50,000	54,000
Black	44,700	52,500	28,000	S	35,000
Hispanic	36,000	39,000	26,000	S	48,000
Asian/Pacific Islander	50,000	55,000	33,000	S	50,000
Other	50,000	60,000	S	S	S
Social/related scientists	41,000	40,000	32,800	46,300	41,600
Male	47,500	50,000	35,000	49,000	45,000
Female	38,000	35,300	30,000	46,000	40,000
White	42,000	40,000	32,800	46,300	41,600
Black	35,000	32,500	24,000	48,500	37,500
Hispanic	42,000	38,000	45,000	42,000	60,000
Asian/Pacific Islander	48,000	46,000	26,400	S	S
Other	40,000	S	S	S	S
Engineers	70,000	72,000	52,000	51,000	63,400
Male	70,000	72,400	57,500	51,000	64,000
Female	61,000	63,000	29,000	S	60,000
White	71,000	73,000	53,000	51,000	64,500
Black	62,000	65,000	20,000	S	52,800
Hispanic	62,000	65,500	17,000	S	58,000
Asian/Pacific Islander	68,000	68,000	36,000	S	65,000
Other	60,000	56,000	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-46.

Median annual salaries of individuals in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1999
(Dollars)

Occupation, sex, and race/ethnicity	Total employed S&Es	Sector of employment			Government
		Business/ industry	Four-year college/ university	Other educational institution	
Doctorate					
S&E occupations	68,000	80,000	58,800	50,000	68,000
Male	71,000	82,000	61,400	53,000	70,000
Female	55,000	68,000	49,900	48,000	60,000
White	68,000	80,000	60,000	50,000	69,500
Black	60,000	72,000	55,000	57,800	60,000
Hispanic	58,000	75,000	50,000	40,000	65,000
Asian/Pacific Islander	70,000	76,700	52,000	52,000	65,000
Other	56,000	65,000	53,000	55,000	64,000
Scientists	65,000	79,000	56,000	50,000	67,000
Male	68,000	81,000	60,000	52,000	69,900
Female	55,000	67,000	49,000	48,000	60,000
White	65,000	80,000	58,000	50,000	68,000
Black	60,000	73,500	54,000	57,800	60,000
Hispanic	56,000	73,000	48,600	40,000	65,800
Asian/Pacific Islander	64,000	75,000	49,000	52,000	64,000
Other	55,000	65,000	52,000	55,000	68,000
Computer/math scientists	71,200	85,000	60,000	50,000	68,300
Male	75,000	86,000	60,000	50,000	69,600
Female	62,000	73,500	52,500	55,000	65,000
White	71,500	88,000	60,000	50,000	68,000
Black	71,000	83,000	71,000	S	51,500
Hispanic	60,800	78,000	50,900	S	112,700
Asian/Pacific Islander	73,000	80,000	55,000	52,000	73,500
Other	60,500	105,000	42,500	S	S
Life/related scientists	62,000	75,000	56,000	50,000	65,000
Male	65,000	78,000	60,000	56,000	69,000
Female	53,000	65,800	48,000	46,000	60,000
White	64,600	76,000	60,000	50,000	68,000
Black	51,000	71,000	42,000	36,000	67,000
Hispanic	58,000	75,000	45,500	57,000	52,000
Asian/Pacific Islander	54,300	72,000	40,000	80,000	58,000
Other	56,000	60,000	54,000	S	59,000
Physical/related scientists	70,000	80,000	58,400	45,000	76,800
Male	71,000	80,000	60,000	46,200	79,000
Female	61,000	72,700	47,000	41,000	61,000
White	70,400	83,000	60,000	46,000	78,000
Black	58,000	73,500	42,000	41,000	67,000
Hispanic	63,000	70,000	52,500	S	85,000
Asian/Pacific Islander	67,000	71,000	51,000	50,000	65,000
Other	61,000	72,000	61,000	S	83,000
Social/related scientists	60,000	75,000	55,000	51,300	60,000
Male	63,500	80,000	60,000	57,300	60,000
Female	52,000	60,000	49,000	50,000	58,000
White	60,000	75,000	55,000	51,300	60,000
Black	60,000	70,000	55,000	100,000	60,000
Hispanic	50,900	60,000	48,000	45,000	59,700
Asian/Pacific Islander	57,000	60,000	55,000	58,000	60,000
Other	53,000	80,000	45,000	S	100,000
Engineers	79,000	82,000	72,000	46,000	74,000
Male	80,000	83,000	73,000	58,000	75,000
Female	68,000	75,000	57,000	S	67,000
White	80,000	84,000	73,000	46,000	80,000
Black	67,000	70,000	56,000	S	70,300
Hispanic	65,000	80,000	55,000	S	62,000
Asian/Pacific Islander	77,000	80,000	71,500	55,000	65,000
Other	80,000	67,000	83,000	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

NOTE: Median annual salaries are for full-time employment. Very large or very small values may reflect very small cell sizes and should be interpreted with caution.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Appendix table 3-47.

Median annual salaries of individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1993
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Sector of employment			Government
		Business/ industry	Four-year college/ university	Other educational institution	
All degree levels^a					
S&E occupations	48,000	49,900	41,600	39,500	45,600
Male	50,000	50,400	45,200	41,000	47,000
Female	40,000	42,000	32,000	36,000	40,000
White	48,000	50,000	42,700	40,000	46,000
Black	40,000	42,000	37,000	34,000	40,900
Hispanic	43,000	45,000	32,000	36,000	42,000
Asian/Pacific Islander	48,000	50,000	36,000	34,500	47,000
Other	43,300	45,000	41,600	31,000	46,300
Scientists	44,900	47,000	40,000	39,500	42,000
Male	48,000	50,000	45,000	42,000	43,700
Female	39,000	41,000	32,000	36,000	39,000
White	45,000	48,000	42,000	40,000	42,700
Black	39,000	39,700	36,000	35,000	39,500
Hispanic	39,500	41,600	32,000	36,000	40,000
Asian/Pacific Islander	45,000	48,500	34,000	35,000	42,000
Other	41,600	37,000	41,600	31,000	46,300
Computer/math scientists	46,800	48,000	40,000	34,000	45,600
Male	49,000	50,000	42,400	38,100	47,600
Female	41,000	42,000	34,700	32,000	42,100
White	47,700	48,300	40,000	34,000	47,000
Black	40,000	40,000	33,000	35,000	42,000
Hispanic	42,000	42,200	37,800	39,500	44,000
Asian/Pacific Islander	47,000	48,000	40,000	35,000	43,500
Other	45,600	40,000	45,600	S	46,300
Life/related scientists	40,000	43,000	39,000	38,000	37,300
Male	42,500	45,000	46,000	40,000	38,100
Female	34,000	39,900	28,800	30,000	34,500
White	40,000	43,000	41,000	38,700	36,800
Black	37,000	40,000	30,000	31,000	39,500
Hispanic	35,000	39,000	26,800	28,600	37,000
Asian/Pacific Islander	39,900	49,600	28,100	S	42,000
Other	41,600	55,800	41,600	S	35,800
Physical/related scientists	45,000	48,000	40,000	42,000	44,000
Male	48,000	50,000	43,000	45,000	45,500
Female	37,500	39,700	30,000	28,000	39,000
White	45,800	48,000	43,000	42,000	44,300
Black	36,600	37,200	29,400	39,000	37,000
Hispanic	40,000	43,500	26,000	25,000	40,300
Asian/Pacific Islander	42,000	48,000	30,200	48,000	43,800
Other	35,000	35,000	43,200	S	44,300
Social/related scientists	40,300	38,000	42,300	42,000	40,000
Male	45,000	41,600	47,000	46,000	42,000
Female	36,400	36,000	36,000	39,000	36,000
White	41,000	38,000	43,000	42,100	40,000
Black	34,200	32,000	40,000	35,000	32,500
Hispanic	36,000	35,500	35,000	35,200	40,000
Asian/Pacific Islander	42,000	53,000	41,000	35,000	39,000
Other	40,900	20,000	41,400	31,000	52,400
Engineers	50,000	50,400	48,000	39,900	48,700
Male	51,000	52,000	49,000	39,600	49,500
Female	43,200	43,800	30,900	40,000	43,200
White	50,100	51,000	51,000	40,000	49,200
Black	44,600	45,800	40,000	S	43,100
Hispanic	47,000	47,200	34,000	S	46,800
Asian/Pacific Islander	50,000	51,400	44,000	26,400	49,400
Other	49,700	52,000	36,000	S	58,000

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-47.

Median annual salaries of individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1993
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Sector of employment			Government
		Business/ industry	Four-year college/ university	Other educational institution	
Bachelor's					
S&E occupations	45,000	46,000	28,000	35,500	44,000
Male	46,800	48,000	30,000	37,000	45,000
Female	38,000	39,600	24,000	31,200	39,000
White	45,000	46,800	28,000	36,000	44,300
Black	40,000	40,000	28,000	26,000	40,000
Hispanic	40,100	42,000	22,900	30,000	41,500
Asian/Pacific Islander	43,000	43,500	26,000	28,000	45,600
Other	42,500	41,600	41,600	S	46,300
Scientists	41,000	43,000	26,000	34,000	40,000
Male	43,300	45,000	27,000	35,000	40,300
Female	36,500	38,200	25,000	31,200	36,000
White	41,600	43,400	26,000	34,000	40,000
Black	36,500	38,000	26,000	24,000	37,000
Hispanic	36,000	39,000	25,200	28,400	37,000
Asian/Pacific Islander	40,800	42,000	24,000	28,000	40,000
Other	41,600	36,000	41,600	S	46,300
Computer/math scientists	44,000	45,000	36,800	34,000	44,000
Male	46,500	47,500	40,000	34,000	45,500
Female	40,000	40,000	33,000	32,300	40,000
White	45,000	45,300	37,000	34,000	45,500
Black	38,500	39,200	28,000	24,000	40,000
Hispanic	39,800	40,000	30,000	35,000	40,000
Asian/Pacific Islander	42,000	43,700	34,900	28,000	41,600
Other	44,700	37,000	S	S	46,300
Life/related scientists	32,200	36,000	19,200	36,000	33,400
Male	34,000	37,000	18,700	40,000	35,000
Female	30,000	35,400	19,200	26,000	29,100
White	32,200	36,000	19,200	36,000	33,000
Black	35,000	36,400	18,000	S	39,500
Hispanic	27,700	36,000	13,000	S	34,500
Asian/Pacific Islander	28,000	40,000	23,500	S	42,000
Other	41,600	S	S	S	S
Physical/related scientists	37,500	38,900	14,000	25,000	39,000
Male	38,900	40,000	14,000	25,000	40,000
Female	34,500	34,800	14,000	S	38,100
White	38,000	39,000	14,000	30,000	39,600
Black	36,000	36,500	15,600	S	36,000
Hispanic	30,000	40,000	S	S	30,000
Asian/Pacific Islander	33,300	33,300	12,800	S	36,600
Other	35,000	35,000	S	S	S
Social/related scientists	27,400	25,000	24,200	35,500	32,400
Male	30,000	30,000	26,000	63,600	32,400
Female	26,000	22,800	22,500	30,000	34,000
White	27,000	25,000	22,000	35,500	31,500
Black	28,700	27,000	29,100	16,800	34,000
Hispanic	28,500	27,000	29,700	S	38,400
Asian/Pacific Islander	30,000	32,000	13,800	S	S
Other	52,400	S	S	S	S
Engineers	48,000	48,800	37,100	39,900	47,100
Male	49,000	50,000	38,000	39,900	48,000
Female	41,600	41,600	14,400	40,000	42,600
White	48,900	49,600	38,000	40,000	48,000
Black	42,000	43,500	36,000	S	41,600
Hispanic	43,700	43,500	15,000	S	45,000
Asian/Pacific Islander	45,000	44,200	38,000	46,000	48,700
Other	49,700	54,600	S	S	45,800

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-47.

Median annual salaries of individuals employed in S&E occupations, by highest degree attained, occupation, sex, race/ethnicity, and employment sector: 1993
(Dollars)

Occupation, sex, and race/ethnicity	Employed S&Es, total	Sector of employment			Government
		Business/ industry	Four-year college/ university	Other educational institution	
Master's					
S&E occupations	50,000	55,000	31,200	40,000	48,000
Male	52,300	57,000	34,000	43,000	49,700
Female	42,000	48,000	29,500	37,000	40,000
White	50,400	55,000	32,000	41,000	48,000
Black	44,000	50,000	30,000	37,000	42,600
Hispanic	48,000	52,000	24,100	37,200	45,800
Asian/Pacific Islander	50,000	52,000	26,000	35,000	48,000
Other	42,000	50,000	S	S	42,000
Scientists	46,500	52,000	30,000	40,000	44,000
Male	50,000	55,100	30,200	43,000	45,800
Female	40,800	46,800	29,600	37,100	40,000
White	47,000	52,000	30,200	41,000	44,300
Black	40,000	47,500	30,000	37,000	40,100
Hispanic	40,000	46,000	22,000	37,200	41,600
Asian/Pacific Islander	47,700	50,000	26,000	35,000	45,000
Other	36,000	42,000	S	S	42,000
Computer/math scientists	50,800	55,000	34,700	37,000	48,000
Male	53,000	58,500	38,000	42,000	49,000
Female	45,000	50,000	29,500	31,500	44,000
White	52,000	56,000	34,000	37,000	48,100
Black	44,000	50,000	34,000	37,000	42,900
Hispanic	48,000	49,000	S	39,500	51,000
Asian/Pacific Islander	50,000	52,000	36,500	35,000	48,000
Other	42,000	S	S	S	S
Life/related scientists	38,000	46,400	28,000	35,500	41,200
Male	40,300	50,700	28,000	40,000	43,700
Female	34,700	42,000	27,600	30,000	37,000
White	38,300	47,000	28,000	35,600	42,000
Black	35,400	48,000	26,000	30,000	37,000
Hispanic	37,000	39,000	33,000	S	40,000
Asian/Pacific Islander	35,000	40,300	25,000	S	39,900
Other	S	S	S	S	S
Physical/related scientists	46,800	51,000	30,000	45,000	45,600
Male	48,000	52,000	30,000	45,200	47,000
Female	40,000	46,000	31,600	25,500	37,000
White	48,000	52,800	32,800	45,000	46,000
Black	39,000	40,000	S	S	41,100
Hispanic	39,000	43,500	13,500	S	41,600
Asian/Pacific Islander	40,000	45,500	15,000	S	48,000
Other	S	S	S	S	S
Social/related scientists	38,700	39,700	30,000	41,500	39,000
Male	40,000	40,000	30,000	45,000	40,000
Female	37,600	39,000	30,500	39,000	34,000
White	39,000	39,000	30,000	42,000	40,000
Black	32,000	32,000	40,000	37,100	31,000
Hispanic	35,000	35,000	15,100	36,000	33,800
Asian/Pacific Islander	39,000	58,000	27,000	S	39,000
Other	30,500	S	S	S	S
Engineers	55,200	57,000	43,000	38,100	53,000
Male	56,500	58,000	44,000	38,100	53,400
Female	48,100	50,000	27,000	S	47,300
White	56,200	57,600	46,000	38,400	53,000
Black	52,000	53,000	15,600	S	51,000
Hispanic	52,000	52,500	34,000	S	49,000
Asian/Pacific Islander	52,200	55,000	30,000	14,400	52,000
Other	49,000	50,000	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-47.

**Median annual salaries of individuals employed in S&E occupations, by highest degree attained,
occupation, sex, race/ethnicity, and employment sector: 1993
(Dollars)**

Occupation, sex, and race/ethnicity	Employed S&Es, total	Sector of employment		
		Business/ industry	Four-year college/ university	Other educational institution
Doctorate				
S&E occupations	54,800	65,000	49,000	45,000
Male	57,000	66,600	50,400	45,700
Female	45,000	55,000	40,000	43,000
White	55,000	65,200	50,000	45,000
Black	46,200	64,000	44,000	42,000
Hispanic	50,000	58,000	43,000	43,000
Asian/Pacific Islander	54,000	62,000	42,000	42,000
Other	45,000	75,000	44,100	45,000
Scientists	52,000	63,000	48,000	45,000
Male	55,000	65,500	50,000	45,700
Female	44,300	53,000	40,000	43,000
White	52,500	64,800	49,000	45,000
Black	46,000	65,400	44,000	42,000
Hispanic	47,000	57,000	42,000	43,500
Asian/Pacific Islander	50,000	60,000	39,600	42,000
Other	44,900	78,000	43,300	S
Computer/math scientists	55,800	68,000	50,000	41,000
Male	57,600	70,000	50,000	45,700
Female	48,000	62,400	44,000	40,100
White	56,000	69,700	50,000	39,900
Black	45,000	75,000	44,000	41,000
Hispanic	47,000	45,000	48,000	S
Asian/Pacific Islander	56,300	65,000	46,000	37,000
Other	45,600	S	45,600	S
Life/related scientists	50,000	60,000	47,000	40,000
Male	53,000	62,000	50,000	43,000
Female	41,600	55,000	39,500	33,000
White	51,200	60,000	49,400	40,000
Black	46,200	68,600	44,000	42,000
Hispanic	40,000	60,000	33,600	S
Asian/Pacific Islander	44,000	58,200	33,000	S
Other	41,500	55,800	26,900	S
Physical/related scientists	58,000	65,300	48,900	44,000
Male	59,800	67,300	50,000	46,000
Female	48,000	55,200	36,400	43,000
White	60,000	68,000	50,000	46,000
Black	41,600	54,600	37,000	32,600
Hispanic	52,000	58,000	41,500	43,000
Asian/Pacific Islander	51,500	59,400	37,400	45,000
Other	57,500	68,200	57,500	S
Social/related scientists	49,000	56,500	47,000	46,800
Male	50,600	62,000	50,000	48,000
Female	44,000	50,000	41,000	43,900
White	49,300	56,500	47,500	47,000
Black	46,500	70,000	44,000	43,700
Hispanic	48,200	60,000	45,000	65,000
Asian/Pacific Islander	47,000	54,000	42,500	42,000
Other	43,800	S	42,200	S
Engineers	63,500	68,000	58,000	39,500
Male	64,000	69,000	59,000	40,000
Female	57,000	60,000	50,000	37,500
White	65,000	70,000	60,000	37,500
Black	50,000	63,000	40,000	S
Hispanic	60,000	60,000	52,000	S
Asian/Pacific Islander	60,500	65,000	52,000	S
Other	60,000	75,000	55,000	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

NOTE: Median annual salaries are for full-time employment. Very large or very small values may reflect very small cell sizes and should be interpreted with caution.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1993.

Appendix table 3-48.

Individuals in the labor force with S&E highest degrees, by degree level, tenure status at four-year educational institutions, field of highest degree, and age: 1999

Field of degree	S&Es, total	Age (years)									
		Less than		All degree levels							
		25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
All S&E											
Engineering	1,967,100	39,000	221,700	254,800	327,200	323,800	235,900	224,300	151,000	105,300	84,200
Aerospace engineering	77,800	1,100	7,500	10,300	12,100	13,400	8,100	9,300	7,100	5,100	3,700
Chemical engineering	150,400	5,300	22,600	17,700	23,700	25,500	14,700	19,200	11,200	5,000	5,400
Civil engineering	332,600	6,500	38,000	34,400	44,500	56,800	46,600	43,200	24,600	20,400	17,500
Electrical engineering	598,100	10,100	63,800	90,000	107,700	100,200	72,500	61,500	44,100	28,400	19,900
Industrial engineering	107,400	1,600	12,600	15,800	19,400	17,900	9,600	12,200	8,700	4,600	5,100
Mechanical engineering	391,500	8,800	48,000	54,100	70,900	56,700	41,300	40,000	28,400	25,500	17,900
Other engineering	309,200	5,400	29,100	32,500	49,000	53,300	43,100	39,000	27,000	16,200	14,600
Life sciences											
Agriculture	232,200	4,300	24,900	21,100	36,200	46,400	39,300	25,100	14,400	11,900	8,600
Biological sciences	975,200	47,900	156,800	106,900	108,200	142,500	158,800	126,700	79,700	28,000	19,700
Health/medical	104,400	5,200	16,100	11,500	11,200	20,200	18,200	11,600	6,100	3,400	900
Computer/math sciences											
Computer sciences	593,700	13,800	68,300	105,200	146,100	112,400	76,900	44,800	17,800	7,500	S
Mathematical sciences	465,200	10,300	47,300	50,400	49,000	52,800	71,500	88,400	57,300	26,200	12,200
Physical sciences											
Chemistry	282,900	7,100	30,800	28,300	32,900	38,500	40,100	37,000	34,300	21,100	12,800
Geosciences	155,600	3,300	16,300	11,100	28,400	33,300	25,600	13,300	10,100	6,900	7,200
Physics/astronomy	147,000	3,200	13,600	16,400	18,000	19,600	17,500	20,500	19,100	11,300	7,900
Other physical sciences	49,900	300	4,700	4,500	5,600	8,900	10,100	6,100	4,000	2,400	3,300
Social sciences											
Economics	414,100	16,400	56,100	66,400	50,400	52,200	54,600	48,800	33,000	18,300	18,000
Political sciences	580,100	31,400	111,700	89,900	75,100	60,400	81,500	63,800	34,600	18,600	12,800
Psychology	1,195,400	56,300	201,200	135,400	104,000	152,800	210,200	178,000	83,900	40,600	33,100
Sociology/anthropology	605,900	24,300	110,700	58,000	46,100	70,700	111,700	100,300	51,700	18,400	13,900
Other social sciences	362,300	14,300	62,000	38,100	37,200	36,900	59,000	56,900	35,700	10,600	11,500

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-48.

Individuals in the labor force with S&E highest degrees, by degree level, tenure status at four-year educational institutions, field of highest degree, and age: 1999

Field of degree	S&Es, total	Age (years)										
		Less than										
		25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more	
Bachelor's												
All S&E												
Engineering	1,400,400	37,700	179,800	175,100	229,200	231,800	162,800	155,100	93,400	70,700	64,800	
Aerospace engineering	54,400	1,000	5,700	7,300	9,000	10,100	5,400	7,200	3,800	2,500	2,300	
Chemical engineering	113,600	5,300	20,000	13,500	17,500	20,200	9,500	13,900	6,800	3,000	3,900	
Civil engineering	248,300	6,300	32,000	25,800	33,300	43,100	34,100	31,600	13,700	14,100	14,300	
Electrical engineering	416,000	9,700	50,000	59,600	72,000	69,600	51,300	41,900	28,500	19,300	14,100	
Industrial engineering	80,400	1,600	10,800	10,500	14,900	12,700	6,400	9,800	6,300	3,800	3,600	
Mechanical engineering	308,600	8,800	40,200	41,000	55,100	44,500	31,700	31,100	22,100	18,900	15,200	
Other engineering	179,100	5,100	21,000	17,500	27,400	31,600	24,400	19,600	12,100	9,000	11,400	
Life sciences												
Agriculture	183,200	4,300	23,100	15,800	30,000	37,600	29,300	17,500	10,800	8,400	6,400	
Biological sciences	702,200	47,200	147,300	82,000	72,100	99,600	111,100	81,500	38,800	12,000	10,600	
Health/medical	80,600	5,200	15,000	8,900	7,300	15,600	14,100	8,400	3,200	2,500	S	
Computer/math sciences												
Computer sciences	418,400	13,600	54,700	80,700	114,300	75,100	48,100	21,900	7,700	2,300	S	
Mathematical sciences	333,300	10,000	40,100	39,100	35,500	37,900	52,400	62,900	33,300	15,000	7,100	
Physical sciences												
Chemistry	179,900	7,000	25,900	19,200	20,000	22,800	24,200	23,000	18,000	12,600	7,200	
Geosciences	103,700	3,300	13,600	7,600	20,300	23,900	15,400	6,800	4,200	4,600	3,900	
Physics/astronomy	69,100	3,200	11,200	8,300	8,000	9,000	8,300	7,100	6,700	4,900	2,400	
Other physical sciences	37,800	300	4,500	4,100	3,500	6,300	8,000	4,600	1,900	S	3,000	
Social sciences												
Economics	346,900	16,300	52,300	59,300	44,400	42,900	44,100	35,800	25,600	11,500	14,800	
Political sciences	494,100	31,100	104,000	77,900	65,000	51,400	67,700	48,800	24,900	14,400	8,800	
Psychology	817,200	55,900	180,400	106,600	74,600	103,000	132,900	91,400	38,400	17,300	16,600	
Sociology/anthropology	537,600	24,300	105,000	52,500	40,800	62,100	98,700	89,000	40,700	13,700	10,800	
Other social sciences	277,300	14,200	56,400	29,900	29,500	28,900	44,500	40,900	20,900	5,600	6,500	

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-48.

Individuals in the labor force with S&E highest degrees, by degree level, tenure status at four-year educational institutions, field of highest degree, and age: 1999

Field of degree	S&Es, total	Age (years)									
		Less than		Master's							
		25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
All S&E											
Engineering	459,200	1,300	39,300	66,100	79,400	74,900	60,100	56,100	42,900	24,800	14,300
Aerospace engineering	18,400	100	1,600	2,200	2,500	2,500	2,300	1,700	2,700	1,700	1,000
Chemical engineering	22,800	S	2,200	2,400	3,800	2,800	4,000	3,700	2,200	900	900
Civil engineering	74,200	S	5,800	8,000	9,700	12,400	11,300	10,000	9,000	5,200	2,500
Electrical engineering	153,400	400	13,000	26,400	30,200	26,100	17,700	16,200	12,100	6,500	4,700
Industrial engineering	23,700	S	1,800	4,800	4,000	4,600	2,800	2,200	1,900	S	S
Mechanical engineering	69,200	S	7,400	11,100	13,000	9,600	8,000	7,200	4,900	5,700	2,200
Other engineering	97,400	300	7,400	11,200	16,200	17,000	14,000	15,100	10,200	4,400	1,700
Life sciences											
Agriculture	30,700	S	1,800	3,900	3,700	5,400	6,200	5,100	1,200	2,200	1,300
Biological sciences	117,900	700	7,000	10,700	14,700	17,200	20,700	20,200	19,500	5,800	1,300
Health/medical	18,300	S	1,100	2,100	3,400	3,700	3,100	2,100	1,900	S	S
Computer/math sciences											
Computer sciences	163,200	S	13,400	23,200	29,000	34,200	26,200	21,300	9,600	5,300	S
Mathematical sciences	103,200	300	5,900	9,000	10,200	11,300	15,400	20,800	18,200	8,300	3,800
Physical sciences											
Chemistry	38,000	S	3,400	3,700	3,200	5,300	6,500	5,300	6,600	2,300	1,600
Geosciences	34,600	S	2,600	2,700	5,600	6,800	7,600	2,900	3,500	600	2,200
Physics/astronomy	32,600	S	1,700	3,800	3,500	4,100	3,600	6,400	5,400	1,800	2,200
Other physical sciences	10,100	S	200	300	1,700	2,200	1,800	1,400	1,800	S	S
Social sciences											
Economics	44,400	S	3,700	5,100	3,600	5,900	7,200	8,700	3,700	4,800	1,700
Political sciences	69,100	300	7,600	10,800	8,300	7,100	11,200	11,800	6,700	2,700	2,500
Psychology	281,800	S	19,300	22,400	19,800	35,600	58,400	65,900	32,700	16,200	11,100
Sociology/anthropology	44,900	S	5,700	4,600	3,400	5,700	8,400	6,400	6,400	2,600	S
Other social sciences	69,500	S	5,600	7,800	6,200	5,800	11,700	13,000	11,700	3,400	4,200

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-48.

Individuals in the labor force with S&E highest degrees, by degree level, tenure status at four-year educational institutions, field of highest degree, and age: 1999

Field of degree	S&Es, total	Age (years)									
		Less than		Doctorate							
		25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Doctorate											
All S&E	623,400	S	10,100	54,200	85,000	96,900	99,900	101,400	91,300	50,500	34,200
Engineering	107,400	S	2,600	13,600	18,600	17,100	13,000	13,200	14,700	9,800	5,000
Aerospace engineering	4,900	S	200	800	600	700	400	400	600	800	400
Chemical engineering	14,000	S	400	1,800	2,400	2,500	1,300	1,600	2,200	1,100	600
Civil engineering	10,100	S	200	700	1,500	1,300	1,200	1,600	1,900	1,100	700
Electrical engineering	28,700	S	800	4,000	5,500	4,500	3,400	3,300	3,500	2,600	1,100
Industrial engineering	3,300	S	S	400	500	700	400	200	500	400	200
Mechanical engineering	13,700	S	300	2,000	2,700	2,600	1,600	1,800	1,300	900	500
Other engineering	32,700	S	700	3,900	5,400	4,700	4,700	4,300	4,700	2,900	1,400
Life sciences	178,400	S	2,500	15,700	24,500	29,800	31,900	28,700	24,900	11,700	8,800
Agriculture	18,300	S	S	1,400	2,500	3,400	3,900	2,500	2,400	1,300	800
Biological sciences	155,000	S	2,500	14,100	21,400	25,600	27,000	25,000	21,500	10,200	7,800
Health/medical	5,100	S	S	300	500	700	1,000	1,100	1,000	200	200
Computer/math sciences	40,800	S	1,500	3,700	6,000	6,600	6,200	6,300	6,200	2,900	1,300
Computer sciences	12,100	S	200	1,400	2,800	3,100	2,600	1,600	400	S	S
Mathematical sciences	28,700	S	1,300	2,400	3,200	3,600	3,700	4,700	5,800	2,900	1,200
Physical sciences	128,500	S	2,300	10,300	18,900	20,000	17,800	19,000	19,300	12,600	8,300
Chemistry	65,000	S	1,500	5,300	9,700	10,500	9,400	8,800	9,700	6,200	4,000
Geosciences	17,000	S	100	700	2,300	2,700	2,600	3,600	2,300	1,700	1,000
Physics/astronomy	44,500	S	600	4,000	6,500	6,500	5,500	6,400	7,000	4,600	3,400
Other physical sciences	2,000	S	S	200	400	400	300	200	300	S	S
Social sciences	168,300	S	1,200	10,800	17,000	23,500	31,000	34,200	26,300	13,500	10,800
Economics	22,800	S	100	2,000	2,400	3,500	3,300	4,300	3,700	1,900	1,600
Political sciences	16,800	S	S	1,200	1,900	1,900	2,600	3,200	3,000	1,400	1,600
Psychology	89,700	S	1,000	6,200	9,300	13,100	17,700	18,700	11,800	6,600	5,400
Sociology/anthropology	23,400	S	S	1,000	1,900	2,900	4,500	5,000	4,600	2,100	1,400
Other social sciences	15,500	S	S	500	1,500	2,100	2,900	3,000	3,200	1,500	800

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-48.

Individuals in the labor force with S&E highest degrees, by degree level, tenure status at four-year educational institutions, field of highest degree, and age: 1999

Field of degree	S&Es, total	Age (years)									
		Less than 25		25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64
Tenured or tenure-track Ph.D. holders at 4-year educational institutions											
All S&E	160,200	S	500	8,100	18,700	25,100	26,000	26,800	28,500	16,600	9,900
Engineering	19,400	S	S	1,300	2,600	3,400	2,900	2,700	2,700	2,700	1,100
Aerospace engineering	900	S	S	S	100	S	S	S	S	200	S
Chemical engineering	1,600	S	S	100	100	400	200	100	300	300	S
Civil engineering	2,800	S	S	200	400	500	200	500	400	400	200
Electrical engineering	4,900	S	S	200	700	1,000	700	700	500	800	300
Industrial engineering	1,100	S	S	100	100	300	200	S	200	S	S
Mechanical engineering	2,400	S	S	100	500	400	400	400	200	300	S
Other engineering	5,700	S	S	500	700	800	1,100	900	1,000	500	300
Life sciences	48,100	S	S	1,600	5,300	8,400	9,100	8,900	8,200	3,700	2,800
Agriculture	5,100	S	S	200	500	900	1,100	800	900	400	200
Biological sciences	41,800	S	S	1,300	4,700	7,300	7,800	7,900	7,000	3,200	2,500
Health/medical	1,200	S	S	S	100	200	200	200	300	S	S
Computer/math sciences	15,400	S	100	1,000	2,200	2,400	2,300	2,400	2,800	1,500	700
Computer sciences	3,000	S	S	300	800	800	600	300	200	S	S
Mathematical sciences	12,400	S	S	700	1,400	1,600	1,700	2,100	2,600	1,500	700
Physical sciences	23,300	S	100	1,300	2,900	3,800	2,500	3,000	4,400	3,400	1,700
Chemistry	10,500	S	100	900	1,300	1,600	1,100	1,200	2,000	1,500	700
Geosciences	4,300	S	S	100	600	900	700	500	600	600	300
Physics/astronomy	8,200	S	S	300	1,000	1,200	600	1,200	1,800	1,300	700
Other physical sciences	300	S	S	S	S	S	S	S	S	S	S
Social sciences	54,000	S	100	2,900	5,600	7,000	9,100	9,800	10,400	5,500	3,600
Economics	10,400	S	S	500	1,000	1,500	1,700	1,900	2,000	1,000	700
Political sciences	8,500	S	S	500	900	1,100	1,200	1,700	1,500	800	600
Psychology	17,600	S	S	1,100	1,900	2,200	3,100	3,300	3,000	1,600	1,300
Sociology/anthropology	10,700	S	S	500	900	1,400	1,800	1,800	2,400	1,200	700
Other social sciences	6,700	S	S	200	800	800	1,200	1,200	1,400	800	300

S = suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Appendix table 3-49.

Individuals in the labor force with any S&E degrees, by degree level, tenure status at four-year educational institutions, occupation, and age: 1999

Occupation	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
		All degree levels									
S&E occupations^a	3,311,200	85,400	420,000	444,200	547,400	521,900	437,100	378,300	246,400	137,700	92,700
Engineers	1,314,800	26,700	156,300	171,200	222,200	215,100	156,200	150,200	99,400	69,600	48,000
Aerospace/related engineers	65,900	900	4,500	5,400	12,700	12,100	6,700	8,500	6,600	5,400	3,100
Chemical engineers	81,500	2,200	12,600	10,100	12,800	15,200	7,300	9,500	5,900	3,700	2,300
Civil/architectural engineers.....	220,800	4,200	28,900	23,900	33,400	37,100	26,900	29,200	15,600	11,500	10,100
Electrical/related engineers	342,900	5,800	36,800	45,800	62,100	57,900	41,800	35,900	27,100	17,700	12,000
Industrial engineers	71,500	1,400	13,200	12,000	12,200	8,400	8,100	8,400	3,400	2,300	2,000
Mechanical engineers	249,700	6,200	31,200	38,200	44,900	35,400	28,200	24,700	18,800	13,000	9,100
Other engineers	252,100	4,400	26,200	32,900	39,900	45,200	33,900	30,700	19,000	12,700	7,100
Postsecondary teachers	30,500	1,500	2,900	2,900	4,000	3,800	3,400	3,200	3,100	3,300	2,400
Life/related scientists	327,700	14,400	41,600	41,600	49,600	49,200	45,300	37,400	26,300	13,200	9,000
Agricultural/food scientists	37,500	900	4,200	4,000	4,600	6,800	8,900	3,100	1,900	2,500	600
Biological scientists	200,500	11,600	30,200	32,700	32,900	28,100	23,400	19,300	14,300	4,300	3,800
Environmental life scientists	17,400	S	2,000	1,100	2,700	2,100	2,500	3,100	1,300	1,400	S
Postsecondary teachers	72,300	1,600	5,200	3,700	9,500	12,200	10,600	11,900	8,800	5,000	3,800
Computer/math scientists	1,019,600	23,800	130,900	155,600	197,500	167,600	142,900	107,500	60,300	23,100	10,300
Computer/information scientists	920,700	21,000	120,100	144,400	186,000	156,800	129,900	93,100	46,900	16,400	6,100
Mathematical scientists	34,100	800	5,400	5,300	5,500	3,400	4,100	4,800	3,000	1,100	600
Postsecondary teachers	64,800	1,900	5,400	5,900	6,000	7,400	9,000	9,600	10,400	5,500	3,700
Physical/related scientists	299,900	8,400	39,600	35,000	44,900	45,900	39,500	32,300	27,400	15,200	11,600
Chemistry, except biochemistry	124,100	3,900	17,200	16,500	19,500	18,100	15,000	12,200	11,800	6,000	3,800
Earth scientists/ geologists/oceanographers	73,600	800	7,600	4,500	15,400	15,800	12,000	7,100	5,600	2,100	2,700
Physicists/astronomers.....	30,300	600	3,100	6,100	3,900	3,400	3,500	3,700	2,600	2,000	1,400
Other physical/related scientists	21,700	500	5,400	3,300	1,200	3,000	3,100	3,600	1,200	200	200
Postsecondary teachers	50,200	2,600	6,400	4,600	4,800	5,600	6,000	5,600	6,100	4,900	3,600
Social/related scientists	349,200	12,100	51,400	40,800	33,200	44,200	53,100	50,900	33,100	16,500	13,700
Economists	32,800	1,900	4,200	3,500	4,300	5,300	4,100	5,900	2,200	800	600
Political/related scientists	11,600	2,100	4,800	1,300	800	S	S	1,400	400	200	S
Psychologists	190,500	3,700	23,700	21,800	17,400	24,900	31,300	30,900	19,200	9,700	7,900
Sociologists/anthropologists	18,100	S	4,800	3,900	1,600	1,200	4,200	1,100	700	100	100
Other social/related scientists ...	12,900	1,700	3,200	1,400	700	2,100	1,500	1,000	500	200	S

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-49.

Individuals in the labor force with any S&E degrees, by degree level, tenure status at four-year educational institutions, occupation, and age: 1999

Occupation	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Bachelor's											
S&E occupations	1,815,700	82,500	316,900	253,900	306,000	283,100	212,200	167,300	93,500	58,000	42,400
Engineers	854,600	26,000	124,900	108,200	140,100	139,100	98,000	92,500	51,800	41,200	33,000
Aerospace/related engineers	34,700	800	2,900	2,900	7,100	6,300	3,400	4,000	2,200	2,400	2,700
Chemical engineers	51,600	2,200	10,800	6,900	6,400	9,400	4,100	6,100	2,000	2,200	1,400
Civil/architectural engineers.....	157,500	4,100	24,700	17,900	23,300	26,300	17,900	20,700	7,700	6,700	8,100
Electrical/related engineers	216,700	5,500	27,300	24,600	36,400	39,200	26,100	22,200	15,300	12,100	8,100
Industrial engineers	55,000	1,400	11,500	8,500	8,800	5,700	7,000	5,900	2,800	2,000	S
Mechanical engineers	178,700	6,200	25,300	26,600	32,400	23,900	19,400	16,200	12,700	9,400	6,600
Other engineers	154,700	4,300	20,800	20,500	25,400	28,100	19,500	17,000	8,700	5,900	4,500
Postsecondary teachers	5,600	1,500	1,800	S	S	S	S	S	S	S	S
Life/related scientists	126,300	13,700	32,500	19,900	14,100	13,800	14,600	8,300	5,700	2,200	S
Agricultural/food scientists	17,700	900	3,300	1,800	2,300	2,600	4,400	S	S	S	S
Biological scientists	84,500	10,900	23,200	15,900	8,700	8,500	7,100	4,800	4,300	S	S
Environmental life scientists	12,400	S	1,600	S	2,000	S	S	1,600	S	S	S
Postsecondary teachers	11,700	1,600	4,300	1,300	1,200	S	S	S	S	S	S
Computer math scientists	623,500	23,100	100,300	99,200	127,100	102,300	82,200	50,700	24,800	10,600	3,300
Computer/information scientists	602,400	20,700	94,600	95,900	125,300	100,800	80,700	49,600	23,100	8,700	3,000
Mathematical scientists	10,200	500	2,600	2,200	S	S	S	S	S	S	S
Postsecondary teachers	11,000	1,800	3,000	S	S	S	S	S	S	S	S
Physical/related scientists	140,200	8,100	31,600	18,300	20,400	20,000	12,600	11,900	9,800	3,600	3,900
Chemistry, except biochemistry	71,500	3,800	14,000	11,400	11,100	8,900	5,900	6,600	5,900	2,400	1,600
Earth scientists/ geologists/oceanographers	38,000	800	5,900	1,900	7,900	9,000	4,300	2,600	3,400	S	1,500
Physicists/astronomers.....	7,200	600	1,900	1,800	800	S	S	S	S	S	S
Other physical/related scientists	12,500	S	4,700	1,600	S	1,600	1,500	2,500	S	S	S
Postsecondary teachers	10,900	2,600	5,100	1,600	S	S	S	S	S	S	S
Social/related scientists	71,100	11,600	27,700	8,400	4,300	7,900	4,900	4,000	S	S	S
Economists	10,200	1,700	2,600	S	S	2,100	S	S	S	S	S
Political/related scientists	5,800	2,000	2,400	S	S	S	S	S	S	S	S
Psychologists	33,100	3,700	13,200	5,400	3,000	3,400	S	S	S	S	S
Sociologists/anthropologists	7,500	S	2,500	2,400	S	S	S	S	S	S	S
Other social/related scientists ...	4,500	1,700	1,900	S	S	S	S	S	S	S	S
Postsecondary teachers	10,100	2,200	5,100	S	S	S	S	S	S	S	S

See explanatory notes, if any, and SOURCE at end of table.

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Appendix table 3-49.

Individuals in the labor force with any S&E degrees, by degree level, tenure status at four-year educational institutions, occupation, and age: 1999

Occupation	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Master's											
S&E occupations	989,800	2,900	93,800	141,900	167,100	154,500	144,700	132,600	85,900	42,200	24,100
Engineers	373,200	700	29,200	51,400	67,100	61,300	48,200	46,900	36,400	21,300	10,800
Aerospace/related engineers	26,300	100	1,500	1,800	5,100	5,000	2,700	3,700	3,900	2,400	S
Chemical engineers	21,400	S	1,400	1,600	4,800	4,200	2,500	2,400	2,800	1,100	S
Civil/architectural engineers.....	57,600	S	3,900	5,700	9,300	9,700	8,300	7,600	7,100	4,400	1,500
Electrical/related engineers	107,400	300	9,000	18,000	22,000	15,900	13,600	11,600	9,200	4,400	3,300
Industrial engineers	15,400	S	1,800	3,300	3,200	2,500	1,000	2,400	S	S	S
Mechanical engineers	61,500	S	5,800	10,000	10,800	9,700	7,800	7,200	4,900	2,900	2,200
Other engineers	78,100	S	4,900	9,700	10,900	14,000	12,100	11,400	7,800	5,400	1,800
Postsecondary teachers	5,600	S	900	1,000	1,000	S	S	S	S	S	S
Life/related scientists	69,300	S	7,000	9,000	14,000	11,700	8,800	9,900	5,200	2,900	S
Agricultural/food scientists	10,400	S	900	1,400	800	2,600	2,700	S	S	S	S
Biological scientists	40,400	S	4,900	6,200	9,400	6,700	4,500	4,700	2,900	S	S
Environmental life scientists	3,800	S	S	S	S	S	S	1,200	S	S	S
Postsecondary teachers	14,700	S	800	1,200	3,200	1,900	1,300	3,700	1,600	900	S
Computer/math scientists	326,800	700	28,800	49,500	59,600	53,300	50,200	45,700	25,800	8,300	4,900
Computer/information scientists	283,000	300	24,800	44,200	53,800	48,600	44,000	38,300	20,200	6,100	2,800
Mathematical scientists	16,200	S	2,300	2,100	3,300	1,400	2,200	3,100	S	S	S
Postsecondary teachers	27,600	S	1,700	3,300	2,600	3,300	3,900	4,400	4,500	2,100	1,800
Physical/related scientists	73,400	300	6,300	8,900	11,000	11,700	14,400	8,700	6,500	3,000	2,600
Chemistry, except biochemistry	23,800	S	2,300	1,900	3,100	3,900	4,900	2,400	2,800	1,400	1,000
Earth scientists/ geologists/oceanographers	24,600	S	1,600	1,900	5,700	5,200	5,700	2,400	1,100	500	S
Physicists/astronomers.....	8,200	S	900	2,200	700	700	1,000	1,800	500	S	S
Other physical/related scientists	7,300	S	600	1,700	800	1,200	1,300	S	S	S	S
Postsecondary teachers	9,400	S	1,000	1,200	700	600	1,400	1,400	1,100	1,000	S
Social/related scientists	147,100	500	22,600	23,100	15,400	16,600	23,100	21,500	11,900	6,800	5,600
Economists	14,600	S	1,500	2,400	2,700	1,800	2,000	2,300	1,300	S	S
Political/related scientists	4,400	S	2,400	1,100	S	S	S	S	S	S	S
Psychologists	96,200	S	9,900	12,400	8,300	12,400	17,300	17,400	9,000	5,300	4,300
Sociologists/anthropologists	6,800	S	2,200	1,300	1,200	S	1,300	S	S	S	S
Other social/related scientists ...	5,900	S	1,300	1,200	S	S	S	S	S	S	S
Postsecondary teachers	19,200	S	5,300	4,800	2,600	1,200	1,300	700	1,300	S	S

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-49.

Individuals in the labor force with any S&E degrees, by degree level, tenure status at four-year educational institutions, occupation, and age: 1999

Occupation	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
		Doctorate									
S&E occupations	480,600	S	9,000	47,100	72,700	78,200	74,500	73,500	64,600	36,500	24,300
Engineers	85,000	S	2,200	11,400	15,000	13,500	10,000	10,600	11,000	7,200	4,200
Aerospace/related engineers	4,700	S	200	500	600	900	600	700	400	600	200
Chemical engineers	8,400	S	300	1,500	1,600	1,600	700	900	1,100	400	300
Civil/architectural engineers.....	5,200	S	S	300	900	600	700	800	800	400	400
Electrical/related engineers	17,800	S	500	3,100	3,700	2,300	2,000	2,000	2,400	1,300	500
Industrial engineers	1,100	S	S	100	200	200	100	200	S	S	S
Mechanical engineers	9,300	S	200	1,500	1,700	1,600	1,000	1,200	1,200	700	200
Other engineers	19,300	S	600	2,700	3,700	3,000	2,200	2,300	2,500	1,400	900
Postsecondary teachers	19,300	S	S	1,600	2,700	3,200	2,700	2,500	2,500	2,400	1,600
Life/related scientists	121,600	S	2,000	12,500	20,900	21,600	19,800	17,100	14,900	7,200	5,600
Agricultural/food scientists	9,300	S	S	800	1,500	1,600	1,700	1,400	1,100	600	400
Biological scientists	70,900	S	1,900	10,400	14,100	12,500	10,800	8,800	6,800	2,900	2,500
Environmental life scientists	1,200	S	S	S	100	200	200	200	200	100	S
Postsecondary teachers	40,200	S	S	1,200	5,200	7,200	7,000	6,700	6,800	3,500	2,600
Computer/math scientists	64,800	S	1,900	6,500	10,200	10,300	9,800	10,600	9,300	4,100	2,200
Computer/information scientists	31,000	S	700	3,800	6,300	5,700	4,300	5,000	3,200	1,700	300
Mathematical scientists	7,700	S	500	1,100	1,000	1,200	1,200	1,200	900	400	200
Postsecondary teachers	26,100	S	700	1,600	2,900	3,300	4,300	4,500	5,100	2,100	1,600
Physical/related scientists	85,900	S	1,800	7,700	13,200	14,200	12,600	11,700	11,100	8,600	5,000
Chemistry, except biochemistry	28,700	S	1,000	3,100	5,300	5,400	4,100	3,200	3,200	2,200	1,200
Earth scientists/ geologists/oceanographers	10,700	S	100	700	1,500	1,600	2,000	2,200	1,000	900	600
Physicists/astronomers	15,000	S	300	2,200	2,400	2,500	2,100	1,700	1,700	1,300	700
Other physical/related scientists	1,800	S	S	100	200	200	300	400	200	200	200
Postsecondary teachers	29,800	S	300	1,600	3,800	4,600	4,100	4,200	4,900	3,900	2,200
Social/related scientists	123,400	S	1,200	9,100	13,500	18,600	22,400	23,500	18,400	9,400	7,400
Economists	8,000	S	S	1,100	900	1,400	1,000	1,800	800	500	300
Political/related scientists	1,200	S	S	200	200	S	S	200	200	200	S
Psychologists	57,000	S	600	3,800	6,000	8,400	11,400	10,900	8,800	4,000	3,100
Sociologists/anthropologists	3,800	S	S	200	400	700	900	800	500	100	100
Other social/related scientists ...	2,500	S	S	200	200	300	400	800	200	200	S
Postsecondary teachers	51,000	S	500	3,600	5,800	7,800	8,600	8,900	7,900	4,400	3,700

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-49.

Individuals in the labor force with any S&E degree, by degree level, tenure status at four-year educational institutions, occupation, and age: 1999

Occupation	S&Es, total	Age (years)									
		Under 25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65 or more
Tenured or tenure-track Ph.D. holders at 4-year educational institutions											
S&E occupations	135,200	S	500	7,400	16,800	22,400	21,600	21,400	22,900	13,700	8,400
Engineers	17,200	S	S	1,400	2,400	3,100	2,300	2,300	2,300	2,300	1,100
Aerospace/related engineers	S	S	S	S	S	S	S	S	S	S	S
Chemical engineers	S	S	S	S	S	S	S	S	S	S	S
Civil/architectural engineers.....	200	S	S	S	S	S	S	S	S	S	S
Electrical/related engineers	200	S	S	S	S	S	S	S	S	S	S
Industrial engineers	S	S	S	S	S	S	S	S	S	S	S
Mechanical engineers	300	S	S	S	S	S	S	S	S	S	S
Other engineers	800	S	S	100	200	S	S	200	S	S	S
Postsecondary teachers	15,500	S	S	1,200	2,200	2,900	2,100	2,000	2,200	1,900	1,000
Life/related scientists	37,400	S	S	1,200	4,400	7,100	7,100	6,100	6,300	2,900	2,400
Agricultural/food scientists	1,400	S	S	S	100	300	400	200	200	100	S
Biological scientists	7,200	S	S	300	1,300	1,300	1,400	1,200	900	400	400
Environmental life scientists	200	S	S	S	S	S	S	S	S	S	S
Postsecondary teachers	28,600	S	S	700	3,000	5,500	5,300	4,700	5,200	2,300	1,900
Computer/math scientists	16,700	S	100	1,000	2,300	2,600	2,600	2,900	3,000	1,500	700
Computer/information scientists	200	S	S	S	S	S	S	S	S	S	S
Mathematical scientists	300	S	S	S	S	S	S	S	S	S	S
Postsecondary teachers	16,100	S	100	1,000	2,200	2,500	2,500	2,700	3,000	1,500	600
Physical/related scientists	22,200	S	100	1,200	2,900	3,700	2,800	2,900	3,900	3,100	1,500
Chemistry, except biochemistry	300	S	S	S	S	S	S	S	S	S	S
Earth scientists/ geologists/oceanographers	500	S	S	S	S	S	S	S	S	100	S
Physicists/astronomers.....	600	S	S	S	S	S	S	S	S	S	S
Other physical/related scientists	S	S	S	S	S	S	S	S	S	S	S
Postsecondary teachers	20,800	S	100	1,100	2,800	3,500	2,600	2,700	3,700	2,800	1,400
Social/related scientists	41,800	S	200	2,600	4,700	6,000	7,000	7,400	7,400	3,900	2,800
Economists	600	S	S	S	S	100	S	200	S	S	S
Political/related scientists	100	S	S	S	S	S	S	S	S	S	S
Psychologists	1,400	S	S	100	200	200	200	400	200	S	100
Sociologists/anthropologists	500	S	S	S	S	100	S	200	S	S	S
Other social/related scientists ...	100	S	S	S	S	S	S	S	S	S	S
Postsecondary teachers	38,900	S	200	2,400	4,300	5,600	6,500	6,500	7,100	3,800	2,600

S = suppressed for reasons of confidentiality and/or data reliability

^aFor unemployed individuals, occupation is for their previous job.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

Appendix table 3-50.
Older S&E-degreed individuals working full time: 1999
(Percentages)

Age (years)	Highest degree		
	Bachelor's	Master's	Ph.D.
55	74.5	76.7	86.3
56	74.2	79.9	89.3
57	72.8	81.7	86.2
58	64.6	77.4	85.0
59	64.1	69.5	83.7
60	66.9	61.0	77.5
61	58.5	57.7	75.5
62	47.7	54.8	74.9
63	45.7	48.5	63.4
64	41.6	44.5	64.7
65	29.8	28.3	50.9
66	21.8	24.3	43.9
67	15.3	16.5	40.8
68	17.4	21.6	25.0
69	13.5	12.9	27.2
70	13.8	S	18.4

S = suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

See figure 3-18 in volume 1.

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Appendix table 3-51.
Foreign-born U.S. residents with S&E highest degrees, by place of birth: 1999

Place of birth	Number
India	164,600
China	135,300
Germany	69,800
Philippines	67,000
United Kingdom	65,400
Taiwan	64,800
Canada	59,400
Korea	46,700
Vietnam	44,300
Iran	39,900
Former Soviet Union	38,000
Mexico	31,700
Japan	30,700
Other foreign-born	431,800

NOTE: Data do not include individuals with only foreign degrees who were not in U.S. in 1990.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

See figure 3-21 in Volume 1.

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Appendix table 3-52.

Number of foreign-born U.S. residents with S&E doctorates, by place of birth: 1999

Place of birth	Number
China	37,900
India	30,100
United Kingdom	13,100
Taiwan	10,900
Canada.....	8,400
Germany	7,200
Iran	4,800
Former Soviet Union	4,600
Korea.....	4,500
Philippines	3,400
Poland	3,200
Japan	2,800
Argentina	2,700
Other foreign-born	58,400

NOTE: Data do not include individuals with only foreign degrees who were not in U.S. in 1990.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Scientists and Engineers Statistical Data System (SESTAT), 1999.

See figure 3-21 in Volume 1.

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Appendix table 3-53.

Total science and engineering jobs: 2000 and projected 2010
 (Numbers in thousands of jobs)

Occupation	2000	2010	Change
Total, all occupations	145,571	167,754	22,183
All science & engineering	4,706	6,904	2,197
Scientists	3,241	5,301	2,059
Life scientists	184	218	33
Agriculture and food scientists	17	19	2
Biological scientists	73	88	15
Conservation scientists and foresters	29	31	2
Conservation scientists	16	18	1
Foresters	12	13	1
Medical scientists	37	47	10
All other biological and life scientists	28	33	5
Computer and mathematical occupations	2,408	4,308	1,900
Computer specialists	2,318	4,213	1,895
Computer scientists and systems analysts	459	729	269
Computer and information scientists, research	28	39	11
Computer systems analysts	431	689	258
Computer software engineers	697	1,361	664
Computer software engineers, applications	380	760	380
Computer software engineers, systems software	317	601	284
Computer support specialists	506	996	491
Database administrators	106	176	70
Network and computer systems administrators	229	416	187
Network systems and data communication analysts	119	211	92
All other computer scientists	203	325	122
Mathematical science occupations	89	95	5
Mathematical scientists and technicians	85	90	5
Actuaries	14	15	1
Mathematicians	4	4	—
Operations research analysis	47	51	4
Statisticians	19	20	—
Miscellaneous mathematical science occupations	5	5	—
Physical sciences	239	283	44
Astronomers and physicists	10	11	1
Atmospheric and space scientists	7	8	1
Chemists and materials scientists	92	110	18
Chemists	84	100	16
Materials scientists	8	9	2
Environmental scientists and geoscientists	97	118	21
Environmental scientists and specialists, including health	64	78	14
Geoscientists, except hydrologists and geographers	25	30	5
Hydrologists	8	10	2
All other physical scientists	33	36	3
Social scientists and related occupations	410	492	82
Economists	22	26	4
Market and survey researchers	113	142	30
Market research analysts	90	112	22
Survey researchers	23	30	8
Psychologists	182	214	33
Social scientists, other	15	17	3
Urban and regional planners	30	35	5
All other psychologists, social scientists, and related workers	49	58	8

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-53.

Total science and engineering jobs: 2000 and projected 2010
 (Numbers in thousands of jobs)

Occupation	2000	2010	Change
Engineers	1,465	1,603	138
Aerospace engineers	50	57	7
Agricultural engineers	2	3	—
Biomedical engineers	7	9	2
Chemical engineers	33	34	1
Civil engineers	232	256	24
Computer hardware engineers	60	75	15
Electrical and electronics engineers	288	319	31
Electrical engineers	157	175	18
Electronics engineers, except computer	130	144	14
Environmental engineers	52	66	14
Industrial engineers, including health and safety	198	210	12
Health and safety engineers, except mining safety engineers and inspectors	44	49	5
Industrial engineers	154	161	7
Marine engineers and naval architects	5	5	—
Materials engineers	33	35	2
Mechanical engineers	221	251	29
Mining and geological engineers, including mining safety engineers	6	6	—
Nuclear engineers	14	14	—
Petroleum engineers	9	8	(1)
All other engineers	253	254	1

— = No change; () Decline

SOURCE: U.S. Bureau of Labor Statistics, Office of Occupational Statistics and Employment Projections, "National Industry-Occupation Employment Projections 2000-2010" (Washington, DC: 2001).

See text table 3-22 in Volume 1.

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